

2007 Pacific Northwest Loads & Resources Study

Operating Years 2008 through 2017

Technical Appendix Volume 2: Capacity Analysis

March 2007



2007 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

The White Book

TECHNICAL APPENDIX

VOLUME 2

CAPACITY ANALYSIS

**BONNEVILLE POWER ADMINISTRATION
March 2007**

Cover Picture:

Source: BPA Photo archive

Pictured is a transmission tower at the Celilo Converter Station which began service in 1970.

The Celilo Converter Station sits at the northern end of the 846-mile Pacific high-voltage direct-current Intertie. The Intertie ends at the Sylmar converter station in Los Angeles. Both stations convert alternating current (AC) into direct current and send it to the other station where it is converted back into AC, with less line losses than an all AC line. Due to technology and innovation changes, Celilo currently sends south up to 3,100 MW of direct current energy; more than double the capacity it sent when it was initially built in 1970.

ACKNOWLEDGMENTS

Preparation of the annual Pacific Northwest loads and resources study is a complex, multidisciplinary effort. BPA wishes to acknowledge the team—BPA staff and others—whose diligence and dedication result in a reliable, high quality document.

Bonneville Power Administration

Generation Supply: Regional Coordination Group

Requirements Marketing: Western Power Business Area Group
Eastern Power Business Area Group

Bulk Marketing and Transmission Services: Account Services Group
Office of General Counsel

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

Reports Powered by:



Loads and Resources Information System

**2007 Pacific Northwest Loads and Resources
For Operating Years 2008 Through 2017
Technical Appendix, Volume 2
Capacity Analysis**

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Section 9
Monthly Federal System
Loads & Resources
1-Hour Capacity in Megawatts

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Monthly Federal System
Loads & Resources
1-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 217 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 467 | 474 | 395 | 269 | 242 | 228 | 256 | 242 | 256 | 439 | 475 | 491 | 484 | 486 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 3897 | 3897 | 3674 | 4274 | 4557 | 4731 | 5016 | 4820 | 4405 | 4108 | 4108 | 3922 | 3912 | 4101 |
| <i>GPU 2002 PSC</i> | 2370 | 2370 | 2515 | 2911 | 3429 | 3770 | 3811 | 3795 | 3500 | 2921 | 2921 | 2622 | 2316 | 2409 |
| <i>NGP 2002 Slice PSC</i> | 967 | 797 | 737 | 792 | 901 | 904 | 795 | 803 | 783 | 690 | 584 | 689 | 1060 | 949 |
| <i>GPU 2002 Slice PSC</i> | 1610 | 1327 | 1228 | 1319 | 1500 | 1505 | 1324 | 1337 | 1305 | 1149 | 973 | 1147 | 1766 | 1580 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1572 | 1572 | 1569 | 1546 | 1471 | 1488 | 1484 | 1484 | 1474 | 1478 | 1453 | 1517 | 1518 | 1530 |
| <i>Regional Transfers (Out)</i> | 730 | 730 | 759 | 775 | 999 | 1053 | 952 | 908 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -423 | -455 | -482 | -337 | -294 | -560 | -350 | -362 | -413 | -522 | -542 | -527 | -501 | -405 |
| <i>Total Transfers Out</i> | 10723 | 10238 | 9999 | 11280 | 12563 | 12890 | 13031 | 12785 | 11845 | 10587 | 10260 | 9963 | 10716 | 10824 |
| <i>Total Firm Obligations</i> | 11190 | 10712 | 10394 | 11549 | 12805 | 13118 | 13287 | 13027 | 12101 | 11026 | 10735 | 10454 | 11200 | 11310 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20519 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4365 | -6888 | -7978 | -7601 | -6518 | -6925 | -8659 | -8083 | -8079 | -8202 | -9553 | -8931 | -5157 | -5304 |
| <i>Non-Fed CER (Canada)</i> | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 225 | 225 | 225 | 225 | 225 |
| <i>Total Hydro Resources</i> | 16709 | 14084 | 13341 | 13839 | 15124 | 14299 | 12475 | 13054 | 12859 | 12003 | 10452 | 11779 | 16313 | 16075 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 184 | 184 | 196 | 108 | 108 | 85 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1481 | 1481 | 1507 | 1472 | 1534 | 1559 | 1459 | 1414 | 1385 | 1387 | 1387 | 1312 | 1312 | 1323 |
| <i>Total Resources</i> | 18190 | 15565 | 14848 | 15310 | 16658 | 15858 | 13934 | 14469 | 14245 | 13389 | 11839 | 13091 | 17625 | 17397 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1042 | -1037 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -3.0 | -3.5 | -3.1 | -3.2 | -3.2 | -3.1 | -3.1 | -3.1 | -3.8 | -2.9 | -2.7 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -345 | -292 | -272 | -285 | -318 | -319 | -285 | -288 | -282 | -258 | -226 | -260 | -375 | -340 |
| <i>Federal Trans. Losses</i> | -448 | -379 | -354 | -370 | -415 | -417 | -369 | -371 | -363 | -331 | -290 | -331 | -482 | -437 |
| <i>Total Reserves, Maintenance & Losses</i> | -5273 | -4643 | -4625 | -4643 | -4685 | -3828 | -3283 | -3763 | -3771 | -3826 | -3485 | -3548 | -3729 | -4794 |
| <i>Total Net Resources</i> | 12917 | 10921 | 10223 | 10668 | 11973 | 12030 | 10651 | 10706 | 10473 | 9564 | 8354 | 9544 | 13895 | 12603 |
| <i>Total Firm Surplus/Deficit</i> | 1726 | 209 | -171 | -881 | -832 | -1088 | -2637 | -2321 | -1628 | -1462 | -2381 | -910 | 2695 | 1293 |

Loads and Resources - Federal System
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 486 | 493 | 405 | 293 | 269 | 250 | 285 | 267 | 279 | 459 | 495 | 508 | 508 | 508 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4008 | 4008 | 3778 | 4390 | 4679 | 4861 | 5146 | 4952 | 4519 | 4212 | 4212 | 4026 | 4017 | 4211 |
| <i>GPU 2002 PSC</i> | 2450 | 2450 | 2644 | 2929 | 3470 | 3776 | 3841 | 3825 | 3525 | 2938 | 2938 | 2651 | 2309 | 2417 |
| <i>NGP 2002 Slice PSC</i> | 975 | 809 | 737 | 794 | 902 | 905 | 794 | 805 | 784 | 698 | 594 | 627 | 1004 | 983 |
| <i>GPU 2002 Slice PSC</i> | 1624 | 1347 | 1227 | 1322 | 1503 | 1507 | 1323 | 1341 | 1306 | 1162 | 990 | 1044 | 1673 | 1638 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1533 | 1533 | 1526 | 1455 | 1404 | 1414 | 1411 | 1412 | 1405 | 1419 | 1419 | 1486 | 1487 | 1495 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -481 | -518 | -554 | -400 | -355 | -576 | -360 | -372 | -424 | -535 | -555 | -540 | -515 | -416 |
| <i>Total Transfers Out</i> | 10714 | 10234 | 9993 | 11189 | 12519 | 12858 | 13100 | 12863 | 11907 | 10658 | 10362 | 9885 | 10620 | 10987 |
| <i>Total Firm Obligations</i> | 11200 | 10727 | 10398 | 11482 | 12788 | 13108 | 13385 | 13130 | 12186 | 11117 | 10858 | 10393 | 11128 | 11495 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4252 | -6731 | -7973 | -7573 | -6490 | -6901 | -8659 | -8053 | -8059 | -8109 | -9431 | -8750 | -4897 | -4883 |
| <i>Non-Fed CER (Canada)</i> | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 236 | 236 | 236 | 236 | 236 |
| <i>Total Hydro Resources</i> | 16818 | 14239 | 13343 | 13864 | 15148 | 14320 | 12472 | 13082 | 12876 | 12107 | 10585 | 11972 | 16584 | 16508 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 10 | 10 | 33 | 33 | 33 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1307 | 1307 | 1343 | 1397 | 1459 | 1484 | 1459 | 1414 | 1385 | 1387 | 1387 | 162 | 152 | 1313 |
| <i>Total Resources</i> | 18125 | 15546 | 14687 | 15261 | 16608 | 15804 | 13931 | 14496 | 14262 | 13494 | 11971 | 12134 | 16736 | 17820 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1042 | -1037 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -3.0 | -3.5 | -3.1 | -3.2 | -3.2 | -3.1 | -3.1 | -3.1 | -3.8 | -2.9 | -2.7 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -296 | -272 | -286 | -319 | -320 | -285 | -288 | -283 | -260 | -229 | -230 | -347 | -351 |
| <i>Federal Trans. Losses</i> | -445 | -378 | -349 | -368 | -413 | -415 | -369 | -372 | -364 | -335 | -294 | -305 | -459 | -451 |
| <i>Total Reserves, Maintenance & Losses</i> | -5274 | -4647 | -4620 | -4642 | -4684 | -3827 | -3283 | -3765 | -3772 | -3831 | -3492 | -3320 | -3506 | -4819 |
| <i>Total Net Resources</i> | 12852 | 10899 | 10067 | 10619 | 11924 | 11977 | 10648 | 10731 | 10489 | 9662 | 8479 | 8814 | 13230 | 13002 |
| <i>Total Firm Surplus/Deficit</i> | 1652 | 172 | -331 | -863 | -864 | -1131 | -2737 | -2399 | -1697 | -1455 | -2378 | -1579 | 2102 | 1506 |

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 302 | 302 | 218 | 259 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 522 | 529 | 423 | 295 | 270 | 252 | 287 | 269 | 281 | 461 | 497 | 509 | 510 | 510 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4119 | 4119 | 3881 | 4477 | 4771 | 4957 | 5246 | 5048 | 4608 | 4294 | 4294 | 4105 | 4093 | 4292 |
| <i>GPU 2002 PSC</i> | 2458 | 2458 | 2654 | 2960 | 3506 | 3817 | 3882 | 3866 | 3560 | 2969 | 2969 | 2677 | 2330 | 2437 |
| <i>NGP 2002 Slice PSC</i> | 988 | 834 | 731 | 791 | 899 | 902 | 790 | 802 | 781 | 694 | 591 | 701 | 1079 | 980 |
| <i>GPU 2002 Slice PSC</i> | 1646 | 1389 | 1218 | 1317 | 1498 | 1502 | 1316 | 1335 | 1301 | 1156 | 984 | 1167 | 1796 | 1633 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1601 | 1601 | 1596 | 1557 | 1505 | 1515 | 1512 | 1512 | 1506 | 1521 | 1521 | 1588 | 1566 | 1573 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -495 | -533 | -569 | -408 | -362 | -588 | -368 | -380 | -432 | -546 | -566 | -550 | -525 | -424 |
| <i>Total Transfers Out</i> | 10922 | 10473 | 10146 | 11393 | 12733 | 13075 | 13324 | 13085 | 12114 | 10852 | 10556 | 10280 | 10985 | 11151 |
| <i>Total Firm Obligations</i> | 11444 | 11002 | 10569 | 11688 | 13004 | 13327 | 13611 | 13354 | 12396 | 11312 | 11053 | 10790 | 11494 | 11661 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4190 | -6517 | -7946 | -7560 | -6477 | -6890 | -8659 | -8042 | -8049 | -8100 | -9421 | -8737 | -4883 | -4866 |
| <i>Non-Fed CER (Canada)</i> | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 244 | 244 | 244 | 244 | 244 |
| <i>Total Hydro Resources</i> | 17102 | 14674 | 13382 | 13888 | 15173 | 14342 | 12483 | 13104 | 12897 | 12123 | 10602 | 11993 | 16606 | 16532 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1297 | 1297 | 1333 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18399 | 15971 | 14715 | 15295 | 16634 | 15837 | 13952 | 14529 | 14293 | 13521 | 12000 | 13299 | 17928 | 17869 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -354 | -306 | -273 | -287 | -320 | -320 | -286 | -289 | -283 | -261 | -230 | -265 | -382 | -352 |
| <i>Federal Trans. Losses</i> | -454 | -391 | -350 | -369 | -414 | -416 | -370 | -373 | -365 | -336 | -295 | -338 | -492 | -452 |
| <i>Total Reserves, Maintenance & Losses</i> | -5299 | -4681 | -4621 | -4645 | -4686 | -3830 | -3285 | -3768 | -3775 | -3834 | -3495 | -3560 | -3748 | -4823 |
| <i>Total Net Resources</i> | 13100 | 11290 | 10094 | 10651 | 11948 | 12007 | 10667 | 10761 | 10518 | 9687 | 8505 | 9740 | 14181 | 13046 |
| <i>Total Firm Surplus/Deficit</i> | 1656 | 288 | -475 | -1037 | -1056 | -1319 | -2943 | -2593 | -1877 | -1626 | -2548 | -1050 | 2686 | 1385 |

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 243 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 524 | 531 | 425 | 296 | 272 | 253 | 289 | 271 | 283 | 462 | 498 | 511 | 511 | 512 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4200 | 4200 | 3958 | 4546 | 4844 | 5032 | 5326 | 5125 | 4678 | 4359 | 4359 | 4166 | 4152 | 4354 |
| <i>GPU 2002 PSC</i> | 2479 | 2479 | 2676 | 2996 | 3515 | 3848 | 3914 | 3899 | 3586 | 2991 | 2991 | 2695 | 2341 | 2463 |
| <i>NGP 2002 Slice PSC</i> | 994 | 840 | 737 | 793 | 902 | 904 | 791 | 804 | 784 | 695 | 592 | 626 | 1003 | 983 |
| <i>GPU 2002 Slice PSC</i> | 1656 | 1399 | 1227 | 1321 | 1503 | 1506 | 1317 | 1339 | 1305 | 1158 | 986 | 1042 | 1671 | 1637 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1571 | 1571 | 1566 | 1542 | 1499 | 1510 | 1507 | 1507 | 1500 | 1513 | 1513 | 1572 | 1573 | 1581 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -505 | -543 | -580 | -414 | -368 | -598 | -374 | -386 | -439 | -554 | -574 | -558 | -532 | -430 |
| <i>Total Transfers Out</i> | 10998 | 10550 | 10219 | 11485 | 12811 | 13175 | 13427 | 13189 | 12204 | 10926 | 10631 | 10134 | 10855 | 11248 |
| <i>Total Firm Obligations</i> | 11522 | 11081 | 10643 | 11781 | 13084 | 13429 | 13716 | 13460 | 12487 | 11389 | 11129 | 10645 | 11366 | 11760 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4176 | -6498 | -7933 | -7534 | -6451 | -6867 | -8659 | -8024 | -8029 | -8084 | -9402 | -8710 | -4857 | -4835 |
| <i>Non-Fed CER (Canada)</i> | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 242 | 242 | 242 | 242 | 242 |
| <i>Total Hydro Resources</i> | 17125 | 14701 | 13402 | 13922 | 15207 | 14373 | 12491 | 13129 | 12924 | 12137 | 10619 | 12017 | 16630 | 16561 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18441 | 16017 | 14771 | 15329 | 16668 | 15867 | 13960 | 14554 | 14321 | 13535 | 12016 | 12174 | 16803 | 17898 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -355 | -307 | -274 | -287 | -320 | -321 | -286 | -290 | -284 | -262 | -230 | -231 | -349 | -352 |
| <i>Federal Trans. Losses</i> | -455 | -393 | -352 | -370 | -415 | -417 | -370 | -374 | -365 | -336 | -295 | -307 | -461 | -453 |
| <i>Total Reserves, Maintenance & Losses</i> | -5302 | -4684 | -4626 | -4646 | -4688 | -3831 | -3285 | -3769 | -3777 | -3835 | -3496 | -3323 | -3511 | -4824 |
| <i>Total Net Resources</i> | 13139 | 11333 | 10145 | 10683 | 11980 | 12036 | 10675 | 10785 | 10544 | 9700 | 8521 | 8851 | 13292 | 13074 |
| <i>Total Firm Surplus/Deficit</i> | 1616 | 252 | -499 | -1099 | -1104 | -1392 | -3040 | -2674 | -1943 | -1688 | -2609 | -1794 | 1927 | 1314 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 306 | 306 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 526 | 533 | 426 | 299 | 274 | 256 | 291 | 274 | 285 | 464 | 500 | 513 | 513 | 514 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4256 | 4256 | 4013 | 4709 | 5016 | 5206 | 5518 | 5310 | 4859 | 4530 | 4530 | 4331 | 4312 | 4513 |
| <i>GPU 2002 PSC</i> | 2476 | 2476 | 2689 | 3042 | 3600 | 3893 | 3971 | 3992 | 3633 | 3042 | 3042 | 2981 | 2409 | 2521 |
| <i>NGP 2002 Slice PSC</i> | 996 | 843 | 739 | 794 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 703 | 1081 | 983 |
| <i>GPU 2002 Slice PSC</i> | 1659 | 1404 | 1230 | 1322 | 1503 | 1507 | 1315 | 1338 | 1305 | 1157 | 986 | 1171 | 1800 | 1637 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1581 | 1581 | 1576 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 59 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| <i>Federal Diversity</i> | -512 | -551 | -588 | -422 | -375 | -608 | -381 | -394 | -448 | -564 | -585 | -591 | -541 | -437 |
| <i>Total Transfers Out</i> | 11061 | 10614 | 9717 | 11019 | 12392 | 12702 | 12985 | 12778 | 11751 | 10480 | 10185 | 10106 | 10626 | 10798 |
| <i>Total Firm Obligations</i> | 11587 | 11147 | 10144 | 11318 | 12666 | 12957 | 13276 | 13052 | 12036 | 10944 | 10685 | 10618 | 11139 | 11312 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4147 | -6460 | -7910 | -7511 | -6428 | -6847 | -8659 | -8010 | -8012 | -8069 | -9385 | -8687 | -4833 | -4807 |
| <i>Non-Fed CER (Canada)</i> | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 238 | 238 | 238 | 238 | 238 |
| <i>Total Hydro Resources</i> | 17151 | 14736 | 13423 | 13923 | 15210 | 14376 | 12471 | 13124 | 12925 | 12131 | 10615 | 12016 | 16629 | 16564 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18467 | 16053 | 14792 | 15330 | 16671 | 15871 | 13940 | 14549 | 14321 | 13529 | 12013 | 13322 | 17952 | 17901 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -355 | -308 | -275 | -287 | -320 | -321 | -285 | -290 | -284 | -262 | -230 | -266 | -383 | -353 |
| <i>Federal Trans. Losses</i> | -456 | -394 | -352 | -370 | -415 | -417 | -369 | -374 | -366 | -336 | -295 | -338 | -492 | -453 |
| <i>Total Reserves, Maintenance & Losses</i> | -5304 | -4686 | -4627 | -4645 | -4687 | -3831 | -3283 | -3768 | -3776 | -3834 | -3495 | -3560 | -3748 | -4824 |
| <i>Total Net Resources</i> | 13163 | 11366 | 10165 | 10684 | 11983 | 12040 | 10657 | 10781 | 10545 | 9695 | 8518 | 9762 | 14204 | 13077 |
| <i>Total Firm Surplus/Deficit</i> | 1576 | 220 | 21 | -633 | -683 | -917 | -2619 | -2270 | -1491 | -1249 | -2167 | -856 | 3065 | 1766 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 528 | 535 | 428 | 299 | 275 | 256 | 293 | 275 | 287 | 466 | 502 | 514 | 514 | 515 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4421 | 4421 | 4178 | 4749 | 5060 | 5250 | 5596 | 5390 | 4927 | 4594 | 4594 | 4392 | 4370 | 4574 |
| <i>GPU 2002 PSC</i> | 2579 | 2579 | 2747 | 3069 | 3631 | 3929 | 4012 | 4023 | 3665 | 3069 | 3069 | 3003 | 2425 | 2537 |
| <i>NGP 2002 Slice PSC</i> | 996 | 844 | 738 | 795 | 904 | 906 | 789 | 804 | 785 | 696 | 593 | 627 | 1005 | 985 |
| <i>GPU 2002 Slice PSC</i> | 1659 | 1406 | 1230 | 1324 | 1506 | 1509 | 1314 | 1340 | 1307 | 1159 | 988 | 1044 | 1674 | 1640 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| <i>Federal Diversity</i> | -523 | -562 | -599 | -426 | -379 | -615 | -387 | -400 | -455 | -572 | -593 | -599 | -548 | -443 |
| <i>Total Transfers Out</i> | 10660 | 10214 | 9848 | 11086 | 12467 | 12779 | 13096 | 12886 | 11848 | 10565 | 10270 | 9978 | 10491 | 10874 |
| <i>Total Firm Obligations</i> | 11188 | 10749 | 10276 | 11385 | 12741 | 13035 | 13389 | 13161 | 12135 | 11030 | 10772 | 10492 | 11005 | 11390 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4122 | -6427 | -7889 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Non-Fed CER (Canada)</i> | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 234 | 234 | 234 | 234 |
| <i>Total Hydro Resources</i> | 17153 | 14747 | 13420 | 13941 | 15229 | 14392 | 12467 | 13134 | 12938 | 12142 | 10628 | 12036 | 16648 | 16588 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18469 | 16063 | 14789 | 15348 | 16690 | 15887 | 13936 | 14559 | 14335 | 13540 | 12026 | 12192 | 16821 | 17925 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -356 | -308 | -275 | -288 | -321 | -322 | -285 | -290 | -284 | -262 | -231 | -232 | -349 | -353 |
| <i>Federal Trans. Losses</i> | -456 | -394 | -352 | -371 | -416 | -418 | -369 | -374 | -366 | -336 | -296 | -307 | -461 | -454 |
| <i>Total Reserves, Maintenance & Losses</i> | -5303 | -4686 | -4626 | -4647 | -4689 | -3832 | -3283 | -3768 | -3777 | -3834 | -3496 | -3323 | -3511 | -4825 |
| <i>Total Net Resources</i> | 13166 | 11377 | 10163 | 10702 | 12001 | 12055 | 10653 | 10791 | 10558 | 9705 | 8530 | 8869 | 13310 | 13100 |
| <i>Total Firm Surplus/Deficit</i> | 1978 | 628 | -113 | -683 | -740 | -980 | -2736 | -2370 | -1577 | -1325 | -2242 | -1623 | 2305 | 1710 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 529 | 536 | 430 | 300 | 276 | 257 | 295 | 277 | 289 | 467 | 503 | 516 | 516 | 517 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4481 | 4481 | 4236 | 4819 | 5135 | 5327 | 5678 | 5469 | 5000 | 4660 | 4660 | 4454 | 4431 | 4638 |
| <i>GPU 2002 PSC</i> | 2595 | 2595 | 2765 | 3121 | 3691 | 3995 | 4075 | 4086 | 3722 | 3120 | 3120 | 3048 | 2465 | 2576 |
| <i>NGP 2002 Slice PSC</i> | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 704 | 1082 | 985 |
| <i>GPU 2002 Slice PSC</i> | 1662 | 1409 | 1232 | 1324 | 1505 | 1508 | 1314 | 1339 | 1306 | 1159 | 988 | 1173 | 1802 | 1640 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -529 | -570 | -607 | -434 | -386 | -627 | -394 | -408 | -463 | -583 | -604 | -610 | -558 | -451 |
| <i>Total Transfers Out</i> | 10733 | 10288 | 9920 | 11199 | 12594 | 12909 | 13233 | 13020 | 11968 | 10671 | 10376 | 10281 | 10753 | 10936 |
| <i>Total Firm Obligations</i> | 11262 | 10824 | 10349 | 11500 | 12870 | 13166 | 13528 | 13297 | 12257 | 11138 | 10879 | 10797 | 11269 | 11453 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Non-Fed CER (Canada)</i> | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 233 | 233 | 233 | 233 | 233 |
| <i>Total Hydro Resources</i> | 17174 | 14776 | 13437 | 13937 | 15225 | 14388 | 12463 | 13130 | 12934 | 12141 | 10627 | 12035 | 16647 | 16587 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18490 | 16092 | 14806 | 15344 | 16686 | 15883 | 13932 | 14555 | 14331 | 13539 | 12025 | 13341 | 17970 | 17924 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -356 | -309 | -275 | -288 | -321 | -322 | -285 | -290 | -284 | -262 | -231 | -266 | -384 | -353 |
| <i>Federal Trans. Losses</i> | -457 | -395 | -353 | -371 | -416 | -418 | -369 | -374 | -366 | -336 | -296 | -339 | -493 | -454 |
| <i>Total Reserves, Maintenance & Losses</i> | -5305 | -4688 | -4627 | -4646 | -4688 | -3832 | -3283 | -3768 | -3777 | -3834 | -3496 | -3561 | -3749 | -4825 |
| <i>Total Net Resources</i> | 13186 | 11404 | 10179 | 10698 | 11997 | 12051 | 10649 | 10787 | 10554 | 9704 | 8529 | 9780 | 14221 | 13099 |
| <i>Total Firm Surplus/Deficit</i> | 1923 | 580 | -171 | -802 | -872 | -1115 | -2879 | -2510 | -1703 | -1434 | -2350 | -1017 | 2952 | 1646 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 310 | 310 | 226 | 266 | 278 | 259 | 296 | 279 | 263 | 243 | 243 | 230 | 257 | 249 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 531 | 538 | 431 | 302 | 278 | 259 | 297 | 279 | 291 | 469 | 505 | 517 | 518 | 518 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4542 | 4542 | 4296 | 4889 | 5211 | 5404 | 5760 | 5549 | 5074 | 4727 | 4727 | 4517 | 4492 | 4702 |
| <i>GPU 2002 PSC</i> | 2634 | 2634 | 2805 | 3174 | 3750 | 4060 | 4141 | 4153 | 3779 | 3171 | 3171 | 3094 | 2505 | 2616 |
| <i>NGP 2002 Slice PSC</i> | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 627 | 1005 | 985 |
| <i>GPU 2002 Slice PSC</i> | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1314 | 1339 | 1306 | 1158 | 987 | 1044 | 1673 | 1640 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1496 | 1496 | 1498 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -538 | -579 | -618 | -442 | -393 | -639 | -402 | -416 | -472 | -593 | -615 | -620 | -568 | -458 |
| <i>Total Transfers Out</i> | 10825 | 10380 | 10009 | 11314 | 12721 | 13039 | 13373 | 13157 | 12089 | 10779 | 10483 | 10158 | 10621 | 11015 |
| <i>Total Firm Obligations</i> | 11356 | 10917 | 10440 | 11616 | 12999 | 13299 | 13670 | 13436 | 12380 | 11248 | 10988 | 10675 | 11139 | 11534 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Non-Fed CER (Canada)</i> | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 231 | 231 | 231 | 231 | 231 |
| <i>Total Hydro Resources</i> | 17173 | 14775 | 13436 | 13936 | 15224 | 14387 | 12462 | 13129 | 12933 | 12139 | 10625 | 12033 | 16645 | 16585 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18489 | 16091 | 14782 | 15320 | 16662 | 15882 | 13931 | 14554 | 14330 | 13537 | 12023 | 12189 | 16818 | 17922 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -356 | -309 | -275 | -288 | -321 | -322 | -285 | -290 | -284 | -262 | -231 | -232 | -349 | -353 |
| <i>Federal Trans. Losses</i> | -457 | -395 | -352 | -370 | -415 | -418 | -369 | -374 | -366 | -336 | -296 | -307 | -461 | -454 |
| <i>Total Reserves, Maintenance & Losses</i> | -5305 | -4688 | -4627 | -4646 | -4688 | -3831 | -3283 | -3768 | -3777 | -3834 | -3496 | -3323 | -3511 | -4825 |
| <i>Total Net Resources</i> | 13185 | 11403 | 10156 | 10675 | 11974 | 12050 | 10648 | 10786 | 10553 | 9702 | 8527 | 8866 | 13307 | 13097 |
| <i>Total Firm Surplus/Deficit</i> | 1829 | 486 | -285 | -941 | -1025 | -1248 | -3022 | -2650 | -1827 | -1545 | -2461 | -1809 | 2168 | 1563 |

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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 532 | 539 | 433 | 304 | 280 | 261 | 299 | 281 | 292 | 471 | 507 | 519 | 519 | 520 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4604 | 4604 | 4356 | 4963 | 5289 | 5485 | 5846 | 5618 | 5150 | 4797 | 4797 | 4582 | 4556 | 4769 |
| <i>GPU 2002 PSC</i> | 2675 | 2675 | 2848 | 3230 | 3812 | 4129 | 4212 | 4231 | 3840 | 3227 | 3227 | 3143 | 2548 | 2659 |
| <i>NGP 2002 Slice PSC</i> | 998 | 846 | 740 | 795 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 704 | 1082 | 984 |
| <i>GPU 2002 Slice PSC</i> | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1313 | 1339 | 1306 | 1158 | 987 | 1172 | 1801 | 1639 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1498 | 1498 | 1496 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1434 | 1435 | 1436 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -548 | -589 | -629 | -451 | -401 | -652 | -410 | -423 | -482 | -605 | -627 | -631 | -578 | -467 |
| <i>Total Transfers Out</i> | 10902 | 10456 | 10085 | 11435 | 12853 | 13176 | 13521 | 13297 | 12217 | 10891 | 10595 | 10404 | 10862 | 11055 |
| <i>Total Firm Obligations</i> | 11435 | 10995 | 10518 | 11739 | 13134 | 13437 | 13820 | 13578 | 12509 | 11362 | 11102 | 10924 | 11381 | 11575 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Non-Fed CER (Canada)</i> | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 225 | 225 | 225 | 225 | 225 |
| <i>Total Hydro Resources</i> | 17171 | 14773 | 13434 | 13934 | 15222 | 14385 | 12460 | 13127 | 12931 | 12133 | 10619 | 12027 | 16639 | 16579 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18487 | 16089 | 14780 | 15318 | 16660 | 15880 | 13929 | 14552 | 14328 | 13531 | 12017 | 13333 | 17962 | 17916 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -356 | -309 | -275 | -288 | -321 | -322 | -285 | -290 | -284 | -262 | -231 | -266 | -384 | -353 |
| <i>Federal Trans. Losses</i> | -457 | -395 | -352 | -370 | -415 | -418 | -369 | -374 | -366 | -336 | -295 | -339 | -493 | -454 |
| <i>Total Reserves, Maintenance & Losses</i> | -5305 | -4688 | -4627 | -4646 | -4688 | -3831 | -3283 | -3768 | -3777 | -3834 | -3496 | -3561 | -3749 | -4825 |
| <i>Total Net Resources</i> | 13183 | 11401 | 10154 | 10673 | 11972 | 12048 | 10646 | 10784 | 10551 | 9697 | 8521 | 9772 | 14213 | 13091 |
| <i>Total Firm Surplus/Deficit</i> | 1748 | 406 | -364 | -1066 | -1161 | -1388 | -3174 | -2794 | -1958 | -1665 | -2581 | -1152 | 2832 | 1516 |

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 1937 Water Year
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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 534 | 541 | 434 | 306 | 282 | 263 | 301 | 283 | 294 | 472 | 508 | 521 | 521 | 522 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4669 | 4669 | 4419 | 5029 | 5360 | 5557 | 5901 | 5685 | 5199 | 4842 | 4842 | 4624 | 4597 | 4813 |
| <i>GPU 2002 PSC</i> | 2719 | 2719 | 2893 | 3284 | 3871 | 4195 | 4279 | 4289 | 3897 | 3279 | 3279 | 3189 | 2589 | 2699 |
| <i>NGP 2002 Slice PSC</i> | 997 | 846 | 739 | 794 | 903 | 905 | 788 | 803 | 784 | 695 | 592 | 626 | 1004 | 984 |
| <i>GPU 2002 Slice PSC</i> | 1661 | 1408 | 1231 | 1322 | 1504 | 1507 | 1313 | 1338 | 1305 | 1157 | 986 | 1043 | 1672 | 1639 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1437 | 1437 | 1435 | 1405 | 1404 | 1406 | 1404 | 1404 | 1404 | 1433 | 1433 | 1434 | 1435 | 1425 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -557 | -600 | -640 | -459 | -408 | -664 | -416 | -431 | -489 | -613 | -636 | -640 | -586 | -473 |
| <i>Total Transfers Out</i> | 10938 | 10491 | 10119 | 11483 | 12959 | 13285 | 13621 | 13398 | 12299 | 10964 | 10668 | 10277 | 10729 | 11121 |
| <i>Total Firm Obligations</i> | 11472 | 11031 | 10553 | 11789 | 13241 | 13548 | 13922 | 13681 | 12594 | 11436 | 11176 | 10798 | 11250 | 11643 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Non-Fed CER (Canada)</i> | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 223 | 223 | 223 | 223 | 223 |
| <i>Total Hydro Resources</i> | 17165 | 14767 | 13428 | 13928 | 15216 | 14379 | 12454 | 13121 | 12925 | 12131 | 10617 | 12025 | 16637 | 16577 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18481 | 16083 | 14774 | 15312 | 16654 | 15874 | 13923 | 14546 | 14322 | 13529 | 12015 | 12181 | 16810 | 17914 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -356 | -309 | -275 | -288 | -321 | -322 | -285 | -290 | -284 | -262 | -231 | -232 | -349 | -353 |
| <i>Federal Trans. Losses</i> | -457 | -395 | -352 | -370 | -415 | -417 | -369 | -374 | -366 | -336 | -295 | -307 | -461 | -454 |
| <i>Total Reserves, Maintenance & Losses</i> | -5304 | -4688 | -4626 | -4645 | -4687 | -3831 | -3283 | -3768 | -3776 | -3834 | -3496 | -3323 | -3511 | -4825 |
| <i>Total Net Resources</i> | 13177 | 11396 | 10148 | 10667 | 11966 | 12043 | 10641 | 10778 | 10545 | 9695 | 8519 | 8858 | 13299 | 13089 |
| <i>Total Firm Surplus/Deficit</i> | 1705 | 364 | -405 | -1122 | -1274 | -1505 | -3281 | -2903 | -2048 | -1742 | -2657 | -1940 | 2049 | 1446 |

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Section 10
Monthly Regional
Loads & Resources
1-Hour Capacity in Megawatts

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Monthly Regional
Loads & Resources
1-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 27079 | 27073 | 25511 | 27640 | 30632 | 32729 | 33614 | 32350 | 29593 | 27565 | 27576 | 26767 | 26840 | 27951 |
| <i>Exports</i> | 2363 | 2363 | 2367 | 1949 | 1800 | 1811 | 1804 | 1798 | 1824 | 1800 | 1774 | 1754 | 2293 | 2297 |
| <i>Federal Diversity</i> | -423 | -455 | -482 | -337 | -294 | -560 | -350 | -362 | -413 | -522 | -542 | -527 | -501 | -405 |
| <i>Total Firm Regional Loads</i> | 29019 | 28981 | 27397 | 29252 | 32138 | 33980 | 35068 | 33786 | 31004 | 28842 | 28809 | 27994 | 28632 | 29843 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 29019 | 28981 | 27411 | 29252 | 32138 | 33980 | 35072 | 33809 | 31059 | 28876 | 28843 | 27994 | 28632 | 29843 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1697 | 1681 | 1774 | 1786 | 1767 | 1621 | 1542 | 1593 | 1786 | 1866 | 2007 | 2112 | 2081 | 1749 |
| <i>Operational Peaking Adjustment</i> | -4365 | -6888 | -7978 | -7601 | -6518 | -6925 | -8659 | -8083 | -8079 | -8202 | -9553 | -8931 | -5157 | -5304 |
| <i>Total Hydro Resources</i> | 28246 | 25536 | 25176 | 25359 | 26655 | 25863 | 23790 | 24215 | 23909 | 23287 | 21872 | 22659 | 28102 | 27610 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 4772 | 4772 | 5103 | 5122 | 5140 | 5151 | 5154 | 5147 | 4224 | 4755 | 4755 | 3247 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2177 | 2462 | 2438 |
| <i>Imports</i> | 1350 | 1317 | 1161 | 1242 | 1668 | 1833 | 1777 | 1825 | 1359 | 1236 | 1250 | 1237 | 1375 | 1336 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6436 | 5082 | 6337 | 7020 |
| <i>Non-Utility Generation</i> | 1379 | 1377 | 1294 | 1238 | 1184 | 1176 | 1171 | 1185 | 1162 | 1195 | 1204 | 1246 | 1488 | 1476 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17101 | 17066 | 17165 | 17218 | 17493 | 17773 | 17737 | 17786 | 15739 | 16804 | 16243 | 13116 | 16437 | 17647 |
| <i>Total Resources</i> | 45347 | 42603 | 42342 | 42577 | 44148 | 43635 | 41528 | 42001 | 39648 | 40091 | 38114 | 35775 | 44539 | 45256 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1631 | -1621 | -1658 | -1648 | -1659 | -1639 | -1622 | -1615 | -1599 | -1574 | -1571 | -1580 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -437 | -436 | -449 | -448 | -447 | -446 | -447 | -447 | -368 | -427 | -428 | -340 | -436 | -465 |
| <i>Contract Reserves</i> | -65 | -60 | -50 | -57 | -51 | -66 | -54 | -60 | -45 | -45 | -47 | -64 | -76 | -69 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1034 | -1053 | -1053 | -1053 | -1053 | -1053 | -965 | -762 | -951 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -861 | -808 | -800 | -823 | -858 | -868 | -832 | -826 | -787 | -792 | -750 | -733 | -914 | -883 |
| <i>Regional Transmission Losses</i> | -1230 | -1159 | -1157 | -1184 | -1245 | -1257 | -1205 | -1196 | -1111 | -1121 | -1068 | -1003 | -1283 | -1254 |
| <i>Total Reserves, Maintenance & Losses</i> | 9870 | -9169 | -8955 | -8420 | -8227 | -7368 | -6775 | -7484 | -7590 | -7763 | -7312 | -6841 | -7524 | -9089 |
| <i>Total Net Resources</i> | 35477 | 33434 | 33387 | 34156 | 35921 | 36268 | 34753 | 34517 | 32057 | 32329 | 30803 | 28934 | 37015 | 36168 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 6458 | 4453 | 5990 | 4904 | 3783 | 2287 | -315 | 731 | 1053 | 3486 | 1994 | 940 | 8383 | 6325 |
| <i>Total Surplus/Deficit</i> | 6458 | 4453 | 5976 | 4904 | 3783 | 2287 | -319 | 708 | 999 | 3453 | 1960 | 940 | 8383 | 6325 |

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 27762 | 27756 | 26094 | 28172 | 31205 | 33540 | 34208 | 32892 | 30051 | 27980 | 27992 | 27128 | 27405 | 28579 |
| <i>Exports</i> | 2287 | 2288 | 2289 | 1858 | 1732 | 1738 | 1731 | 1727 | 1755 | 1741 | 1740 | 1723 | 2261 | 2262 |
| <i>Federal Diversity</i> | -481 | -518 | -554 | -400 | -355 | -576 | -360 | -372 | -424 | -535 | -555 | -540 | -515 | -416 |
| <i>Total Firm Regional Loads</i> | 29568 | 29526 | 27829 | 29631 | 32583 | 34702 | 35579 | 34247 | 31383 | 29186 | 29177 | 28311 | 29152 | 30425 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 29568 | 29526 | 27843 | 29631 | 32583 | 34702 | 35583 | 34270 | 31437 | 29219 | 29211 | 28311 | 29152 | 30425 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1697 | 1681 | 1774 | 1786 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2072 | 1739 |
| <i>Operational Peaking Adjustment</i> | -4252 | -6731 | -7973 | -7573 | -6490 | -6901 | -8659 | -8053 | -8059 | -8109 | -9431 | -8750 | -4897 | -4883 |
| <i>Total Hydro Resources</i> | 28358 | 25694 | 25181 | 25387 | 26673 | 25877 | 23781 | 24236 | 23919 | 23371 | 21984 | 22831 | 28353 | 28022 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3662 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 45 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2464 | 2462 | 2438 |
| <i>Imports</i> | 1168 | 1329 | 1236 | 1083 | 1495 | 1671 | 1624 | 1626 | 1195 | 1072 | 1086 | 1079 | 1220 | 1315 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6280 | 5220 | 4086 | 5870 | 7020 |
| <i>Non-Utility Generation</i> | 1407 | 1405 | 1322 | 1253 | 1199 | 1176 | 1171 | 1185 | 1162 | 1195 | 1205 | 1247 | 1488 | 1476 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17435 | 17594 | 17438 | 17122 | 17638 | 17789 | 17764 | 17765 | 15752 | 16075 | 15039 | 12614 | 15765 | 17626 |
| <i>Total Resources</i> | 45793 | 43288 | 42619 | 42509 | 44312 | 43666 | 41545 | 42001 | 39671 | 39446 | 37023 | 35445 | 44118 | 45648 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1631 | -1621 | -1658 | -1648 | -1658 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1662 | -1645 |
| <i>Small Thermal & Misc. Reserves</i> | -462 | -462 | -459 | -457 | -456 | -455 | -456 | -456 | -377 | -436 | -437 | -372 | -434 | -465 |
| <i>Contract Reserves</i> | -41 | -66 | -65 | -37 | -29 | -37 | -34 | -34 | -24 | -24 | -26 | -44 | -36 | -43 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1034 | -1053 | -1053 | -1053 | -1053 | -1053 | -942 | -783 | -613 | -881 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -874 | -822 | -813 | -828 | -870 | -872 | -832 | -826 | -788 | -778 | -719 | -719 | -900 | -888 |
| <i>Regional Transmission Losses</i> | -1244 | -1180 | -1165 | -1182 | -1250 | -1259 | -1206 | -1197 | -1112 | -1104 | -1039 | -997 | -1273 | -1267 |
| <i>Total Reserves, Maintenance & Losses</i> | 9900 | -9236 | -9000 | -8395 | -8251 | -7352 | -6764 | -7466 | -7579 | -7608 | -7056 | -6684 | -7388 | -9082 |
| <i>Total Net Resources</i> | 35893 | 34052 | 33619 | 34114 | 36061 | 36314 | 34780 | 34535 | 32092 | 31838 | 29966 | 28761 | 36730 | 36567 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 6324 | 4526 | 5790 | 4484 | 3479 | 1612 | -799 | 288 | 709 | 2652 | 789 | 449 | 7578 | 6142 |
| <i>Total Surplus/Deficit</i> | 6324 | 4526 | 5776 | 4484 | 3479 | 1612 | -802 | 265 | 655 | 2619 | 755 | 449 | 7578 | 6142 |

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 28228 | 28221 | 26520 | 28574 | 31636 | 34004 | 34677 | 33328 | 30466 | 28360 | 28371 | 27524 | 27816 | 29007 |
| <i>Exports</i> | 2356 | 2356 | 2359 | 1960 | 1834 | 1838 | 1832 | 1828 | 1857 | 1843 | 1843 | 1826 | 2340 | 2340 |
| <i>Federal Diversity</i> | -495 | -533 | -569 | -408 | -362 | -588 | -368 | -380 | -432 | -546 | -566 | -550 | -525 | -424 |
| <i>Total Firm Regional Loads</i> | 30088 | 30044 | 28310 | 30126 | 33107 | 35254 | 36141 | 34776 | 31890 | 29657 | 29648 | 28800 | 29632 | 30923 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 30088 | 30044 | 28324 | 30126 | 33107 | 35254 | 36145 | 34799 | 31945 | 29691 | 29682 | 28800 | 29632 | 30923 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1687 | 1671 | 1764 | 1777 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2086 | 1753 |
| <i>Operational Peaking Adjustment</i> | -4190 | -6517 | -7946 | -7560 | -6477 | -6890 | -8659 | -8042 | -8049 | -8100 | -9421 | -8737 | -4883 | -4866 |
| <i>Total Hydro Resources</i> | 28621 | 26109 | 25199 | 25391 | 26687 | 25888 | 23781 | 24247 | 23929 | 23379 | 21993 | 22844 | 28381 | 28053 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2177 | 2462 | 2438 |
| <i>Imports</i> | 1177 | 1143 | 1050 | 1092 | 1504 | 1681 | 1633 | 1635 | 1204 | 1081 | 1096 | 1090 | 1248 | 1246 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 5832 | 5302 | 6436 | 7020 | 7020 |
| <i>Non-Utility Generation</i> | 1407 | 1405 | 1322 | 1274 | 1211 | 1198 | 1192 | 1206 | 1183 | 1216 | 1226 | 1251 | 1517 | 1500 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17444 | 17409 | 17252 | 17279 | 17660 | 17694 | 17794 | 17795 | 15781 | 15657 | 15151 | 14499 | 17023 | 17582 |
| <i>Total Resources</i> | 46066 | 43517 | 42451 | 42669 | 44346 | 43582 | 41575 | 42042 | 39711 | 39036 | 37144 | 37344 | 45404 | 45634 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1631 | -1657 | -1648 | -1658 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -462 | -462 | -459 | -458 | -457 | -456 | -457 | -457 | -378 | -437 | -438 | -349 | -438 | -466 |
| <i>Contract Reserves</i> | -42 | -37 | -37 | -38 | -29 | -38 | -35 | -35 | -25 | -24 | -27 | -45 | -52 | -44 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1034 | -1053 | -1053 | -1053 | -875 | -795 | -965 | -1053 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -880 | -832 | -813 | -832 | -870 | -869 | -833 | -827 | -788 | -779 | -735 | -758 | -936 | -889 |
| <i>Regional Transmission Losses</i> | -1253 | -1188 | -1161 | -1187 | -1251 | -1257 | -1206 | -1198 | -1114 | -1092 | -1042 | -1048 | -1309 | -1267 |
| <i>Total Reserves, Maintenance & Losses</i> | 9926 | -9236 | -8967 | -8424 | -8254 | -7330 | -6767 | -7470 | -7583 | -7532 | -7090 | -7104 | -7652 | -9084 |
| <i>Total Net Resources</i> | 36140 | 34282 | 33484 | 34245 | 36093 | 36252 | 34807 | 34572 | 32128 | 31504 | 30054 | 30240 | 37752 | 36550 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 6052 | 4237 | 5174 | 4119 | 2985 | 998 | -1334 | -203 | 237 | 1847 | 406 | 1440 | 8120 | 5627 |
| <i>Total Surplus/Deficit</i> | 6052 | 4237 | 5160 | 4119 | 2985 | 998 | -1338 | -226 | 183 | 1813 | 372 | 1440 | 8120 | 5627 |

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 28663 | 28655 | 26898 | 28941 | 32034 | 34430 | 35094 | 33716 | 30847 | 28677 | 28689 | 27850 | 28161 | 29395 |
| <i>Exports</i> | 2325 | 2326 | 2328 | 1946 | 1827 | 1833 | 1827 | 1823 | 1850 | 1834 | 1834 | 1809 | 2348 | 2349 |
| <i>Federal Diversity</i> | -505 | -543 | -580 | -414 | -368 | -598 | -374 | -386 | -439 | -554 | -574 | -558 | -532 | -430 |
| <i>Total Firm Regional Loads</i> | 30483 | 30438 | 28646 | 30472 | 33493 | 35666 | 36548 | 35152 | 32258 | 29958 | 29949 | 29101 | 29977 | 31314 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 30483 | 30438 | 28661 | 30472 | 33493 | 35666 | 36551 | 35175 | 32313 | 29992 | 29983 | 29101 | 29977 | 31314 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1701 | 1685 | 1778 | 1761 | 1745 | 1581 | 1498 | 1549 | 1742 | 1822 | 1965 | 2071 | 2054 | 1723 |
| <i>Operational Peaking Adjustment</i> | -4176 | -6498 | -7933 | -7534 | -6451 | -6867 | -8659 | -8024 | -8029 | -8084 | -9402 | -8710 | -4857 | -4835 |
| <i>Total Hydro Resources</i> | 28650 | 26142 | 25225 | 25400 | 26700 | 25880 | 23747 | 24230 | 23914 | 23361 | 21979 | 22839 | 28376 | 28054 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2464 | 2462 | 2438 |
| <i>Imports</i> | 1108 | 1073 | 1059 | 1101 | 1514 | 1692 | 1446 | 1448 | 1015 | 893 | 907 | 903 | 1064 | 1060 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6350 | 4706 | 4602 | 5187 | 7020 |
| <i>Non-Utility Generation</i> | 1426 | 1424 | 1358 | 1274 | 1219 | 1206 | 1200 | 1214 | 1191 | 1224 | 1234 | 1251 | 1509 | 1500 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17394 | 17358 | 17297 | 17161 | 17678 | 17839 | 17615 | 17616 | 15601 | 15995 | 14374 | 12766 | 14997 | 17396 |
| <i>Total Resources</i> | 46044 | 43499 | 42522 | 42561 | 44378 | 43719 | 41361 | 41847 | 39516 | 39356 | 36353 | 35606 | 43373 | 45450 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1647 | -1658 | -1637 | -1620 | -1613 | -1597 | -1572 | -1569 | -1577 | -1662 | -1644 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -438 | -438 | -363 | -437 | -466 |
| <i>Contract Reserves</i> | -43 | -38 | -38 | -38 | -45 | -54 | -31 | -31 | -21 | -20 | -22 | -27 | -33 | -26 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1034 | -1053 | -1053 | -1053 | -1053 | -1053 | -953 | -706 | -690 | -778 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -881 | -832 | -814 | -829 | -871 | -873 | -830 | -825 | -786 | -792 | -720 | -708 | -880 | -887 |
| <i>Regional Transmission Losses</i> | -1252 | -1188 | -1163 | -1184 | -1252 | -1260 | -1200 | -1192 | -1107 | -1100 | -1019 | -1001 | -1252 | -1261 |
| <i>Total Reserves, Maintenance & Losses</i> | 9928 | -9238 | -8973 | -8399 | -8270 | -7371 | -6753 | -7456 | -7569 | -7626 | -6957 | -6727 | -7244 | -9057 |
| <i>Total Net Resources</i> | 36116 | 34261 | 33549 | 34162 | 36108 | 36349 | 34609 | 34390 | 31947 | 31731 | 29396 | 28879 | 36129 | 36393 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 5633 | 3824 | 4902 | 3690 | 2614 | 683 | -1939 | -762 | -312 | 1773 | -552 | -222 | 6152 | 5079 |
| <i>Total Surplus/Deficit</i> | 5633 | 3824 | 4888 | 3690 | 2614 | 683 | -1943 | -785 | -366 | 1739 | -586 | -222 | 6152 | 5079 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 28999 | 28991 | 27220 | 29311 | 32453 | 34809 | 35519 | 34138 | 31288 | 29063 | 29074 | 28318 | 28510 | 29854 |
| <i>Exports</i> | 2335 | 2336 | 2338 | 1870 | 1748 | 1744 | 1739 | 1734 | 1770 | 1770 | 1769 | 1748 | 2257 | 2251 |
| <i>Federal Diversity</i> | -512 | -551 | -588 | -422 | -375 | -608 | -381 | -394 | -448 | -564 | -585 | -591 | -541 | -437 |
| <i>Total Firm Regional Loads</i> | 30822 | 30777 | 28970 | 30759 | 33826 | 35945 | 36877 | 35478 | 32610 | 30268 | 30259 | 29476 | 30225 | 31668 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 30822 | 30777 | 28985 | 30759 | 33826 | 35945 | 36881 | 35501 | 32664 | 30302 | 30293 | 29476 | 30225 | 31668 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30907 | 30705 | 30201 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1671 | 1655 | 1748 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |
| <i>Operational Peaking Adjustment</i> | -4147 | -6460 | -7910 | -7511 | -6428 | -6847 | -8659 | -8010 | -8012 | -8069 | -9385 | -8687 | -4833 | -4807 |
| <i>Total Hydro Resources</i> | 28648 | 26149 | 25218 | 25450 | 26746 | 25927 | 23777 | 24274 | 23962 | 23406 | 22026 | 22893 | 28430 | 28112 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3662 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |
| <i>Imports</i> | 920 | 886 | 872 | 913 | 1326 | 1505 | 1456 | 1458 | 1025 | 902 | 917 | 913 | 1075 | 1072 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 5696 | 5696 | 5820 | 7020 | 7020 |
| <i>Non-Utility Generation</i> | 1426 | 1425 | 1358 | 1274 | 1220 | 1206 | 1200 | 1214 | 1192 | 1225 | 1234 | 1252 | 1509 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17207 | 17171 | 17110 | 16973 | 17490 | 17653 | 17625 | 17627 | 15611 | 14841 | 14865 | 13675 | 16842 | 17408 |
| <i>Total Resources</i> | 45855 | 43320 | 42328 | 42423 | 44236 | 43579 | 41402 | 41901 | 39573 | 38247 | 36892 | 36568 | 45272 | 45520 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1640 | -1630 | -1656 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -347 | -437 | -466 |
| <i>Contract Reserves</i> | -24 | -19 | -19 | -20 | -26 | -35 | -32 | -32 | -22 | -21 | -23 | -28 | -34 | -26 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1034 | -1053 | -1053 | -1053 | -1053 | -1053 | -854 | -854 | -873 | -1053 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -879 | -831 | -812 | -827 | -869 | -871 | -830 | -825 | -787 | -752 | -724 | -753 | -935 | -888 |
| <i>Regional Transmission Losses</i> | -1246 | -1182 | -1157 | -1180 | -1247 | -1256 | -1201 | -1194 | -1109 | -1068 | -1033 | -1026 | -1305 | -1264 |
| <i>Total Reserves, Maintenance & Losses</i> | 9901 | -9211 | -8946 | -8375 | -8246 | -7348 | -6756 | -7461 | -7574 | -7432 | -7101 | -6966 | -7629 | -9062 |
| <i>Total Net Resources</i> | 35954 | 34109 | 33382 | 34048 | 35989 | 36232 | 34645 | 34440 | 31999 | 30815 | 29791 | 29602 | 37643 | 36457 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 5132 | 3333 | 4412 | 3288 | 2163 | 287 | -2232 | -1038 | -611 | 546 | -468 | 126 | 7417 | 4789 |
| <i>Total Surplus/Deficit</i> | 5132 | 3333 | 4398 | 3288 | 2163 | 287 | -2235 | -1061 | -665 | 513 | -501 | 126 | 7417 | 4789 |

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 29441 | 29433 | 27619 | 29631 | 32779 | 35199 | 35914 | 34534 | 31617 | 29384 | 29396 | 28651 | 28859 | 30228 |
| <i>Exports</i> | 2238 | 2239 | 2244 | 1850 | 1728 | 1724 | 1719 | 1715 | 1750 | 1750 | 1749 | 1728 | 2237 | 2231 |
| <i>Federal Diversity</i> | -523 | -562 | -599 | -426 | -379 | -615 | -387 | -400 | -455 | -572 | -593 | -599 | -548 | -443 |
| <i>Total Firm Regional Loads</i> | 31157 | 31110 | 29265 | 31055 | 34128 | 36308 | 37247 | 35849 | 32911 | 30562 | 30552 | 29780 | 30548 | 32016 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 31157 | 31110 | 29279 | 31055 | 34128 | 36308 | 37250 | 35872 | 32966 | 30596 | 30586 | 29780 | 30548 | 32016 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31380 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>Independent Hydro</i> | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |
| <i>Operational Peaking Adjustment</i> | -4122 | -6427 | -7889 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Total Hydro Resources</i> | 28703 | 26212 | 25269 | 25473 | 26769 | 25947 | 23777 | 24288 | 23979 | 23421 | 22044 | 22917 | 28453 | 28140 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3662 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |
| <i>Imports</i> | 931 | 896 | 881 | 923 | 1306 | 1485 | 1436 | 1438 | 1034 | 910 | 926 | 923 | 1088 | 1084 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 6894 | 6894 | 7020 | 7020 | 5388 | 4858 | 5200 | 5870 | 7020 |
| <i>Non-Utility Generation</i> | 1427 | 1425 | 1358 | 1275 | 1220 | 1206 | 1201 | 1215 | 1192 | 1225 | 1235 | 1253 | 1518 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17218 | 17181 | 17119 | 17110 | 17470 | 17506 | 17478 | 17608 | 15620 | 14542 | 14037 | 13353 | 15714 | 17421 |
| <i>Total Resources</i> | 45920 | 43393 | 42388 | 42583 | 44239 | 43453 | 41255 | 41896 | 39600 | 37963 | 36081 | 36269 | 44167 | 45560 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -361 | -438 | -466 |
| <i>Contract Reserves</i> | -25 | -20 | -20 | -21 | -27 | -36 | -33 | -33 | -23 | -22 | -24 | -28 | -35 | -27 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1034 | -1034 | -1053 | -1053 | -808 | -729 | -780 | -881 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -880 | -832 | -813 | -831 | -870 | -868 | -827 | -825 | -787 | -736 | -693 | -742 | -901 | -889 |
| <i>Regional Transmission Losses</i> | -1248 | -1185 | -1159 | -1185 | -1247 | -1252 | -1197 | -1194 | -1110 | -1061 | -1011 | -1019 | -1275 | -1265 |
| <i>Total Reserves, Maintenance & Losses</i> | 9906 | -9217 | -8950 | -8404 | -8248 | -7323 | -6730 | -7462 | -7576 | -7364 | -6923 | -6870 | -7394 | -9065 |
| <i>Total Net Resources</i> | 36015 | 34177 | 33438 | 34178 | 35991 | 36131 | 34525 | 34434 | 32024 | 30599 | 29158 | 29399 | 36773 | 36495 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 4858 | 3067 | 4173 | 3124 | 1863 | -177 | -2722 | -1415 | -888 | 37 | -1394 | -381 | 6225 | 4479 |
| <i>Total Surplus/Deficit</i> | 4858 | 3067 | 4159 | 3124 | 1863 | -177 | -2725 | -1438 | -942 | 3.4 | -1427 | -381 | 6225 | 4479 |

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 1937 Water Year
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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 29806 | 29798 | 27954 | 29995 | 33172 | 35638 | 36356 | 34958 | 32001 | 29742 | 29753 | 29028 | 29242 | 30638 |
| <i>Exports</i> | 2218 | 2219 | 2224 | 1850 | 1728 | 1724 | 1719 | 1715 | 1750 | 1750 | 1749 | 1729 | 2237 | 2231 |
| <i>Federal Diversity</i> | -529 | -570 | -607 | -434 | -386 | -627 | -394 | -408 | -463 | -583 | -604 | -610 | -558 | -451 |
| <i>Total Firm Regional Loads</i> | 31495 | 31447 | 29571 | 31410 | 34514 | 36735 | 37681 | 36265 | 33288 | 30909 | 30899 | 30147 | 30920 | 32418 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 31495 | 31447 | 29586 | 31410 | 34514 | 36735 | 37684 | 36288 | 33342 | 30943 | 30933 | 30147 | 30920 | 32418 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31166 |
| <i>Independent Hydro</i> | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>Operational Peaking Adjustment</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Total Hydro Resources</i> | 28728 | 26246 | 25290 | 25473 | 26769 | 25947 | 23781 | 24292 | 23984 | 23425 | 22048 | 22921 | 28458 | 28144 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |
| <i>Imports</i> | 941 | 905 | 890 | 932 | 1315 | 1497 | 1446 | 1449 | 1043 | 920 | 934 | 935 | 1100 | 1096 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 6436 | 5906 | 5667 | 6337 | 7020 |
| <i>Non-Utility Generation</i> | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17229 | 17191 | 17129 | 17120 | 17480 | 17645 | 17616 | 17619 | 15630 | 15600 | 15094 | 13352 | 16184 | 17433 |
| <i>Total Resources</i> | 45957 | 43437 | 42419 | 42593 | 44249 | 43593 | 41398 | 41911 | 39614 | 39025 | 37143 | 36273 | 44642 | 45577 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -338 | -437 | -466 |
| <i>Contract Reserves</i> | -26 | -21 | -21 | -21 | -28 | -37 | -33 | -33 | -23 | -23 | -25 | -30 | -36 | -28 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -965 | -886 | -850 | -951 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -880 | -833 | -813 | -831 | -870 | -872 | -830 | -825 | -787 | -768 | -724 | -745 | -915 | -889 |
| <i>Regional Transmission Losses</i> | -1249 | -1186 | -1160 | -1185 | -1248 | -1256 | -1201 | -1194 | -1110 | -1090 | -1040 | -1017 | -1288 | -1265 |
| <i>Total Reserves, Maintenance & Losses</i> | 9908 | -9220 | -8953 | -8405 | -8249 | -7350 | -6758 | -7463 | -7577 | -7583 | -7141 | -6918 | -7492 | -9067 |
| <i>Total Net Resources</i> | 36048 | 34217 | 33466 | 34187 | 36000 | 36242 | 34639 | 34448 | 32036 | 31443 | 30001 | 29355 | 37150 | 36510 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 4553 | 2770 | 3895 | 2777 | 1486 | -493 | -3042 | -1818 | -1252 | 533 | -898 | -792 | 6229 | 4092 |
| <i>Total Surplus/Deficit</i> | 4553 | 2770 | 3880 | 2777 | 1486 | -493 | -3045 | -1841 | -1306 | 500 | -931 | -792 | 6229 | 4092 |

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 PNW Loads and Resource Study
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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 30220 | 30212 | 28319 | 30363 | 33574 | 36130 | 36815 | 35390 | 32409 | 30112 | 30123 | 29407 | 29631 | 31072 |
| <i>Exports</i> | 2219 | 2219 | 2224 | 1850 | 1728 | 1724 | 1619 | 1615 | 1650 | 1650 | 1649 | 1613 | 2121 | 2115 |
| <i>Federal Diversity</i> | -538 | -579 | -618 | -442 | -393 | -639 | -402 | -416 | -472 | -593 | -615 | -620 | -568 | -458 |
| <i>Total Firm Regional Loads</i> | 31901 | 31852 | 29926 | 31770 | 34908 | 37215 | 38032 | 36589 | 33586 | 31168 | 31157 | 30400 | 31185 | 32729 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 31901 | 31852 | 29940 | 31770 | 34908 | 37215 | 38036 | 36612 | 33641 | 31202 | 31191 | 30400 | 31185 | 32729 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31174 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31166 |
| <i>Independent Hydro</i> | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>Operational Peaking Adjustment</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Total Hydro Resources</i> | 28732 | 26250 | 25295 | 25477 | 26773 | 25952 | 23781 | 24292 | 23984 | 23425 | 22048 | 22921 | 28458 | 28144 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |
| <i>Imports</i> | 951 | 915 | 899 | 942 | 1325 | 1507 | 1456 | 1459 | 1052 | 928 | 944 | 945 | 1112 | 1108 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5696 | 5166 | 4140 | 5870 | 7020 |
| <i>Non-Utility Generation</i> | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17239 | 17201 | 17138 | 17130 | 17490 | 17656 | 17626 | 17629 | 15639 | 14869 | 14364 | 12123 | 15731 | 17445 |
| <i>Total Resources</i> | 45971 | 43451 | 42432 | 42607 | 44263 | 43607 | 41408 | 41921 | 39622 | 38294 | 36412 | 35044 | 44188 | 45589 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -352 | -437 | -466 |
| <i>Contract Reserves</i> | -27 | -21 | -21 | -22 | -29 | -38 | -34 | -34 | -24 | -24 | -26 | -30 | -37 | -29 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -854 | -775 | -621 | -881 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -881 | -833 | -813 | -831 | -870 | -872 | -830 | -825 | -787 | -752 | -709 | -706 | -901 | -889 |
| <i>Regional Transmission Losses</i> | -1250 | -1186 | -1160 | -1185 | -1248 | -1257 | -1201 | -1194 | -1111 | -1070 | -1020 | -985 | -1275 | -1266 |
| <i>Total Reserves, Maintenance & Losses</i> | 9910 | -9221 | -8954 | -8407 | -8251 | -7352 | -6760 | -7465 | -7578 | -7437 | -6996 | -6633 | -7397 | -9068 |
| <i>Total Net Resources</i> | 36061 | 34230 | 33478 | 34200 | 36013 | 36255 | 34648 | 34457 | 32044 | 30857 | 29417 | 28411 | 36791 | 36520 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 4160 | 2378 | 3552 | 2430 | 1104 | -960 | -3384 | -2132 | -1542 | -311 | -1741 | -1989 | 5607 | 3792 |
| <i>Total Surplus/Deficit</i> | 4160 | 2378 | 3538 | 2430 | 1104 | -960 | -3388 | -2155 | -1597 | -345 | -1775 | -1989 | 5607 | 3792 |

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 30640 | 30632 | 28688 | 30758 | 34045 | 36609 | 37278 | 35809 | 32828 | 30492 | 30502 | 29801 | 30026 | 31513 |
| <i>Exports</i> | 2103 | 2104 | 2109 | 1750 | 1628 | 1624 | 1619 | 1614 | 1650 | 1650 | 1649 | 1501 | 2010 | 2004 |
| <i>Federal Diversity</i> | -548 | -589 | -629 | -451 | -401 | -652 | -410 | -423 | -482 | -605 | -627 | -631 | -578 | -467 |
| <i>Total Firm Regional Loads</i> | 32196 | 32146 | 30168 | 32056 | 35272 | 37581 | 38488 | 36999 | 33996 | 31537 | 31525 | 30671 | 31457 | 33049 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 32196 | 32146 | 30183 | 32056 | 35272 | 37581 | 38491 | 37022 | 34050 | 31570 | 31559 | 30671 | 31457 | 33049 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31174 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31166 |
| <i>Independent Hydro</i> | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>Operational Peaking Adjustment</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Total Hydro Resources</i> | 28732 | 26250 | 25295 | 25477 | 26773 | 25952 | 23781 | 24292 | 23984 | 23425 | 22048 | 22921 | 28458 | 28144 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |
| <i>Imports</i> | 962 | 926 | 909 | 951 | 1334 | 1518 | 1465 | 1468 | 1059 | 936 | 953 | 956 | 1123 | 1120 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5248 | 4718 | 7020 | 6490 | 7020 |
| <i>Non-Utility Generation</i> | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17249 | 17212 | 17148 | 17139 | 17500 | 17666 | 17636 | 17638 | 15647 | 14428 | 13925 | 14727 | 16361 | 17456 |
| <i>Total Resources</i> | 45981 | 43462 | 42443 | 42616 | 44273 | 43618 | 41417 | 41931 | 39630 | 37854 | 35973 | 37648 | 44819 | 45600 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -338 | -437 | -466 |
| <i>Contract Reserves</i> | -28 | -22 | -22 | -23 | -30 | -39 | -35 | -35 | -25 | -24 | -27 | -31 | -38 | -30 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -787 | -708 | -1053 | -974 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -881 | -833 | -813 | -831 | -870 | -872 | -830 | -825 | -787 | -752 | -709 | -765 | -920 | -889 |
| <i>Regional Transmission Losses</i> | -1250 | -1187 | -1161 | -1186 | -1249 | -1257 | -1201 | -1195 | -1111 | -1057 | -1007 | -1056 | -1293 | -1266 |
| <i>Total Reserves, Maintenance & Losses</i> | 9911 | -9222 | -8955 | -8408 | -8252 | -7353 | -6761 | -7466 | -7579 | -7358 | -6917 | -7182 | -7526 | -9069 |
| <i>Total Net Resources</i> | 36070 | 34239 | 33487 | 34208 | 36021 | 36264 | 34656 | 34465 | 32051 | 30496 | 29056 | 30466 | 37293 | 36531 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 3874 | 2093 | 3319 | 2152 | 749 | -1317 | -3832 | -2535 | -1944 | -1041 | -2469 | -205 | 5835 | 3481 |
| <i>Total Surplus/Deficit</i> | 3874 | 2093 | 3304 | 2152 | 749 | -1317 | -3835 | -2558 | -1999 | -1074 | -2503 | -205 | 5835 | 3481 |

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <u>Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Firm Loads</i> | 31069 | 31061 | 29065 | 31141 | 34510 | 37066 | 37696 | 36235 | 33208 | 30837 | 30847 | 30173 | 30388 | 31914 |
| <i>Exports</i> | 1991 | 1992 | 1997 | 1638 | 1613 | 1609 | 1604 | 1600 | 1634 | 1634 | 1634 | 1501 | 2010 | 1992 |
| <i>Federal Diversity</i> | -557 | -600 | -640 | -459 | -408 | -664 | -416 | -431 | -489 | -613 | -636 | -640 | -586 | -473 |
| <i>Total Firm Regional Loads</i> | 32503 | 32453 | 30422 | 32320 | 35715 | 38011 | 38884 | 37404 | 34354 | 31857 | 31846 | 31034 | 31812 | 33434 |
| <u>Non-Firm Regional Loads</u> | | | | | | | | | | | | | | |
| <i>Regional Non-Firm Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Non-Firm Regional Loads</i> | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>Total Loads</i> | 32503 | 32453 | 30436 | 32320 | 35715 | 38011 | 38887 | 37427 | 34408 | 31891 | 31879 | 31034 | 31812 | 33434 |
| <u>Hydro Resources</u> | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 31124 | 30954 | 31381 | 31174 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31166 |
| <i>Independent Hydro</i> | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>Operational Peaking Adjustment</i> | -4097 | -6394 | -7868 | -7489 | -6405 | -6827 | -8659 | -7997 | -7995 | -8054 | -9368 | -8663 | -4809 | -4779 |
| <i>Total Hydro Resources</i> | 28732 | 26250 | 25295 | 25477 | 26773 | 25952 | 23781 | 24292 | 23984 | 23425 | 22048 | 22921 | 28458 | 28144 |
| <u>Other Resources</u> | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>Combustion Turbines</i> | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |
| <i>Renewables</i> | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |
| <i>Cogeneration</i> | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |
| <i>Imports</i> | 971 | 936 | 918 | 960 | 1345 | 1527 | 1476 | 1479 | 1067 | 943 | 961 | 966 | 1134 | 1131 |
| <i>Large Thermal</i> | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5766 | 5236 | 5717 | 5717 | 7020 |
| <i>Non-Utility Generation</i> | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |
| <i>Resource Acquisition</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 17258 | 17221 | 17156 | 17147 | 17510 | 17676 | 17646 | 17649 | 15655 | 14954 | 14451 | 13670 | 15599 | 17467 |
| <i>Total Resources</i> | 45990 | 43472 | 42451 | 42625 | 44283 | 43627 | 41427 | 41941 | 39638 | 38379 | 36499 | 36591 | 44056 | 45611 |
| <u>Reserves & Maintenance</u> | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1641 | -1632 | -1658 | -1648 | -1659 | -1639 | -1622 | -1614 | -1599 | -1574 | -1571 | -1579 | -1663 | -1646 |
| <i>Small Thermal & Misc. Reserves</i> | -463 | -463 | -461 | -458 | -457 | -456 | -457 | -457 | -378 | -412 | -413 | -349 | -437 | -466 |
| <i>Contract Reserves</i> | -28 | -23 | -23 | -24 | -30 | -40 | -36 | -36 | -25 | -25 | -27 | -32 | -39 | -31 |
| <i>Large Thermal Reserves</i> | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -1053 | -865 | -785 | -858 | -858 | -1053 |
| <i>Regional Hydro Maintenance</i> | -4595 | -4032 | -3787 | -3208 | -2935 | -2037 | -1561 | -2286 | -2626 | -2751 | -2483 | -2360 | -2202 | -3720 |
| <i>Spinning Reserves</i> | -881 | -833 | -813 | -831 | -870 | -872 | -830 | -825 | -787 | -768 | -724 | -732 | -897 | -889 |
| <i>Regional Transmission Losses</i> | -1251 | -1187 | -1161 | -1186 | -1249 | -1257 | -1202 | -1195 | -1111 | -1071 | -1022 | -1028 | -1272 | -1267 |
| <i>Total Reserves, Maintenance & Losses</i> | 9912 | -9223 | -8956 | -8409 | -8253 | -7354 | -6762 | -7467 | -7580 | -7466 | -7025 | -6938 | -7367 | -9071 |
| <i>Total Net Resources</i> | 36078 | 34248 | 33495 | 34216 | 36030 | 36273 | 34665 | 34474 | 32058 | 30913 | 29474 | 29653 | 36689 | 36541 |
| <u>Surplus/Deficits</u> | | | | | | | | | | | | | | |
| <i>Firm Surplus/Deficit</i> | 3575 | 1795 | 3073 | 1895 | 315 | -1738 | -4218 | -2930 | -2296 | -944 | -2371 | -1381 | 4877 | 3107 |
| <i>Total Surplus/Deficit</i> | 3575 | 1795 | 3058 | 1895 | 315 | -1738 | -4222 | -2953 | -2350 | -978 | -2405 | -1381 | 4877 | 3107 |

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Section 11
Monthly Federal System 50-Water Year
Surplus/Deficit
1-Hour Capacity in Megawatts

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Monthly Federal System 50-Water Year
Surplus/Deficit
1-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2924 | -1071 | 4.5 | -1206 | -898 | -1364 | -1222 | -2555 | -1312 | -1693 | -2719 | -1374 | 3838 | 1906 |
| 1930 Federal Surplus/Deficit | 1015 | -290 | -205 | -757 | -733 | -973 | -2574 | -1460 | -1411 | -1152 | -2052 | -1441 | 2615 | 2445 |
| 1931 Federal Surplus/Deficit | 1743 | 348 | -509 | -795 | -835 | -1423 | -2570 | -2570 | -1671 | -981 | -2907 | -1415 | 2573 | 2113 |
| 1932 Federal Surplus/Deficit | 1535 | 680 | 55 | -1240 | -1052 | -1405 | -2531 | -2728 | -15 | 2025 | 2755 | 4562 | 4507 | 3378 |
| 1933 Federal Surplus/Deficit | 1251 | 1726 | 599 | -881 | -1457 | -458 | 1543 | 597 | -505 | 9.7 | 786 | 3597 | 3962 | 2911 |
| 1934 Federal Surplus/Deficit | 3065 | 2685 | 928 | 90 | 539 | 3984 | 1355 | 1871 | 2265 | 1951 | 2689 | 4324 | 2190 | 2651 |
| 1935 Federal Surplus/Deficit | 711 | -476 | -480 | -1239 | -1509 | -1294 | 960 | 1903 | -1549 | -354 | 898 | 2939 | 4114 | 3307 |
| 1936 Federal Surplus/Deficit | 2592 | -104 | 10 | -1056 | -966 | -1135 | -2067 | -2412 | -1421 | -846 | 2245 | 4693 | 4320 | 2074 |
| 1937 Federal Surplus/Deficit | 1726 | 209 | -171 | -881 | -832 | -1088 | -2637 | -2321 | -1628 | -1462 | -2381 | -910 | 2695 | 1293 |
| 1938 Federal Surplus/Deficit | 1401 | -167 | -224 | -791 | -1367 | -967 | 1139 | -664 | 1440 | 1391 | 2209 | 4682 | 4623 | 3144 |
| 1939 Federal Surplus/Deficit | 645 | -71 | 587 | -682 | -981 | -1113 | -421 | -2376 | -675 | -62 | 804 | 3618 | 2211 | 2588 |
| 1940 Federal Surplus/Deficit | 2140 | 359 | -236 | -652 | -1018 | -855 | -843 | -1418 | 1544 | 326 | 2090 | 3206 | 2963 | 1904 |
| 1941 Federal Surplus/Deficit | 624 | -860 | -285 | -684 | -1285 | -757 | -557 | -2397 | -1726 | -1214 | -2459 | 1196 | 2778 | 1495 |
| 1942 Federal Surplus/Deficit | 567 | 149 | 550 | -1042 | -1440 | 995 | 1216 | -733 | -2366 | -789 | 217 | 3069 | 4553 | 3744 |
| 1943 Federal Surplus/Deficit | 2831 | 1744 | -142 | -896 | -1401 | -1105 | 860 | 1260 | 2206 | 2135 | 2702 | 4549 | 4619 | 3557 |
| 1944 Federal Surplus/Deficit | 2958 | 1037 | -39 | -1111 | -1078 | -1159 | -732 | -2468 | -2315 | -2061 | -3350 | -1401 | 1176 | 1315 |
| 1945 Federal Surplus/Deficit | 643 | -379 | -82 | -1113 | -951 | -1394 | -2456 | -1963 | -1833 | -1807 | -2895 | 3000 | 4607 | 2265 |
| 1946 Federal Surplus/Deficit | 844 | 188 | -285 | -1210 | -1134 | -1058 | 194 | -304 | 2530 | 1928 | 2877 | 4702 | 4443 | 3622 |
| 1947 Federal Surplus/Deficit | 2892 | 1074 | 669 | -1181 | -1214 | 2479 | 1526 | 1791 | 2690 | 746 | 1437 | 4547 | 4481 | 3665 |
| 1948 Federal Surplus/Deficit | 2139 | -407 | 317 | 1746 | -309 | 1432 | 2155 | -202 | 1305 | 424 | 2816 | 4827 | 5019 | 3572 |
| 1949 Federal Surplus/Deficit | 3192 | 3045 | 946 | -637 | -1180 | -909 | -510 | -688 | 2848 | 1266 | 2954 | 4698 | 4491 | 972 |
| 1950 Federal Surplus/Deficit | 643 | -1065 | -627 | -990 | -1238 | -1305 | 67 | 2209 | 3233 | 2339 | 2573 | 4455 | 3865 | 3281 |
| 1951 Federal Surplus/Deficit | 2756 | 1938 | 657 | 165 | 116 | 3174 | 1850 | 1975 | 2335 | 2402 | 2773 | 4699 | 4537 | 3604 |
| 1952 Federal Surplus/Deficit | 3218 | 1949 | 539 | 1143 | -1131 | 1327 | 1285 | 701 | 1038 | 2704 | 3058 | 4750 | 4728 | 3081 |
| 1953 Federal Surplus/Deficit | 2135 | -461 | 48 | -955 | -855 | -1349 | -676 | 1152 | -731 | -790 | 658 | 4219 | 4481 | 3539 |
| 1954 Federal Surplus/Deficit | 2852 | 1443 | 417 | -724 | -1142 | 275 | 315 | 1961 | 1378 | 1580 | 1765 | 4640 | 3975 | 3084 |
| 1955 Federal Surplus/Deficit | 3722 | 3519 | 3203 | -460 | -816 | 529 | -620 | -2169 | -2017 | -731 | 223 | 2743 | 3943 | 2819 |
| 1956 Federal Surplus/Deficit | 3246 | 3114 | -55 | -260 | -402 | 2985 | 1794 | 957 | 3033 | 2484 | 2280 | 4694 | 3930 | 3515 |
| 1957 Federal Surplus/Deficit | 3156 | 1785 | 464 | -430 | -1237 | -223 | 320 | -1272 | 1007 | 2198 | 2274 | 4729 | 4273 | 3018 |
| 1958 Federal Surplus/Deficit | 1138 | -278 | 71 | -965 | -1036 | -1235 | -604 | 802 | 1407 | 528 | 2467 | 4696 | 4544 | 2898 |
| 1959 Federal Surplus/Deficit | 1139 | 497 | 288 | -1019 | -886 | 1879 | 1814 | 2032 | 1511 | 1534 | 1503 | 4131 | 4227 | 3416 |
| 1960 Federal Surplus/Deficit | 3130 | 1506 | 3259 | 2253 | 814 | 2626 | 1750 | -1199 | 944 | 1912 | 2934 | 3671 | 4472 | 3230 |
| 1961 Federal Surplus/Deficit | 2297 | -743 | 365 | -885 | -1301 | -401 | 537 | 1508 | 1774 | 1738 | 1048 | 4386 | 4068 | 3240 |
| 1962 Federal Surplus/Deficit | 1833 | 1099 | -155 | -932 | -974 | -1192 | 252 | -1027 | -1434 | 2184 | 2697 | 4155 | 4473 | 3506 |
| 1963 Federal Surplus/Deficit | 2390 | 963 | 18 | -223 | -651 | 1978 | 1353 | -203 | -1116 | -431 | -343 | 4121 | 4668 | 3432 |
| 1964 Federal Surplus/Deficit | 2966 | 1207 | 632 | -1197 | -1082 | -925 | -17 | -1002 | -1807 | 600 | 1249 | 3520 | 4152 | 3120 |
| 1965 Federal Surplus/Deficit | 3195 | 2673 | 1256 | 407 | -1019 | 2910 | 1792 | 2467 | 2697 | 1441 | 2877 | 4593 | 4610 | 3280 |
| 1966 Federal Surplus/Deficit | 3131 | 2053 | 584 | -339 | -1125 | 62 | 1392 | -1236 | -1644 | 2420 | 1397 | 3197 | 4131 | 3462 |
| 1967 Federal Surplus/Deficit | 3184 | 586 | -83 | -1103 | -1103 | -843 | 1929 | 2476 | 254 | 64 | -675 | 3719 | 4010 | 3476 |
| 1968 Federal Surplus/Deficit | 3280 | 1165 | 655 | -716 | -1267 | -638 | 778 | 1324 | 1128 | -1927 | -979 | 3024 | 4341 | 3741 |
| 1969 Federal Surplus/Deficit | 3275 | 2265 | 1879 | 365 | -278 | 1433 | 1978 | 1962 | 608 | 2433 | 2680 | 4713 | 4390 | 3618 |
| 1970 Federal Surplus/Deficit | 2370 | 213 | 221 | -781 | -942 | -996 | 361 | 193 | -289 | -936 | 72 | 4010 | 4594 | 3132 |
| 1971 Federal Surplus/Deficit | 922 | -646 | -270 | -1040 | -670 | -1151 | 1517 | 1996 | 2192 | 2175 | 2919 | 4742 | 4164 | 3412 |
| 1972 Federal Surplus/Deficit | 3663 | 3203 | 911 | -517 | -1139 | -146 | 1847 | 2498 | 2540 | 1500 | 2072 | 4708 | 4418 | 3094 |
| 1973 Federal Surplus/Deficit | 3745 | 3356 | 1551 | -429 | -1162 | 242 | 1091 | -2169 | -1881 | -2177 | -2546 | 972 | 2584 | 1997 |
| 1974 Federal Surplus/Deficit | 1166 | -957 | -732 | -1151 | -1436 | 1540 | 1473 | 1927 | 3228 | 2300 | 2626 | 4447 | 4391 | 2749 |
| 1975 Federal Surplus/Deficit | 3535 | 3263 | 753 | -1193 | -1040 | -1012 | 895 | 325 | 2018 | -140 | 882 | 4218 | 4458 | 3283 |
| 1976 Federal Surplus/Deficit | 1642 | 1150 | 703 | 386 | 77 | 3797 | 1776 | 1978 | 1516 | 2571 | 2838 | 4729 | 4541 | 3289 |
| 1977 Federal Surplus/Deficit | 3553 | 3553 | 3940 | -610 | -1093 | -1143 | -560 | -2619 | -2685 | -2204 | -3365 | -1080 | 1180 | 919 |
| 1978 Federal Surplus/Deficit | 940 | 211 | -519 | -1368 | -1489 | -963 | 378 | 186 | 1703 | 2042 | 916 | 3833 | 4201 | 3749 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2800 | 1906 | 1551 | 715 | -58 | 2788 | 1829 | 1437 | 1620 | 2152 | 2820 | 4481 | 4510 | 3404 |
| Middle Eighty Percent | 2182 | 955 | 379 | -715 | -1049 | -157 | 462 | 52 | 514 | 655 | 1172 | 3831 | 4042 | 2995 |
| Bottom Ten Percent | 2073 | 47 | -184 | -950 | -875 | -1201 | -1947 | -2275 | -1667 | -1470 | -2682 | -1308 | 2579 | 1815 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2832 | -1202 | -156 | -1209 | -931 | -1424 | -1310 | -2634 | -1381 | -1685 | -2715 | -2175 | 3180 | 2091 |
| 1930 Federal Surplus/Deficit | 943 | -327 | -365 | -739 | -765 | -1016 | -2675 | -1538 | -1480 | -1146 | -2052 | -2243 | 2015 | 2568 |
| 1931 Federal Surplus/Deficit | 1665 | 305 | -669 | -777 | -867 | -1484 | -2671 | -2649 | -1740 | -977 | -2903 | -2216 | 1947 | 2179 |
| 1932 Federal Surplus/Deficit | 1459 | 632 | -105 | -1222 | -1085 | -1466 | -2632 | -2827 | -86 | 2016 | 2688 | 3784 | 3737 | 3423 |
| 1933 Federal Surplus/Deficit | 1181 | 1667 | 439 | -863 | -1509 | -500 | 1460 | 528 | -573 | 11 | 772 | 2849 | 3202 | 2843 |
| 1934 Federal Surplus/Deficit | 2972 | 2605 | 767 | 107 | 505 | 3925 | 1277 | 1806 | 2197 | 1909 | 2621 | 3550 | 1536 | 2699 |
| 1935 Federal Surplus/Deficit | 644 | -507 | -640 | -1221 | -1561 | -1354 | 876 | 1835 | -1619 | -351 | 885 | 2204 | 3429 | 3346 |
| 1936 Federal Surplus/Deficit | 2509 | -134 | -150 | -1038 | -998 | -1178 | -2157 | -2490 | -1490 | -842 | 2173 | 3910 | 3619 | 2228 |
| 1937 Federal Surplus/Deficit | 1652 | 172 | -331 | -863 | -864 | -1131 | -2737 | -2399 | -1697 | -1455 | -2378 | -1579 | 2102 | 1506 |
| 1938 Federal Surplus/Deficit | 1330 | -199 | -384 | -773 | -1400 | -1013 | 1055 | -740 | 1372 | 1385 | 2182 | 3900 | 3849 | 3221 |
| 1939 Federal Surplus/Deficit | 489 | -106 | 427 | -665 | -1014 | -1158 | -508 | -2455 | -745 | -61 | 790 | 2867 | 1630 | 2697 |
| 1940 Federal Surplus/Deficit | 2061 | 319 | -397 | -634 | -1050 | -898 | -931 | -1495 | 1477 | 325 | 2068 | 2465 | 2346 | 2070 |
| 1941 Federal Surplus/Deficit | 468 | -888 | -445 | -668 | -1319 | -800 | -644 | -2477 | -1795 | -1208 | -2455 | 496 | 2175 | 1703 |
| 1942 Federal Surplus/Deficit | 411 | 115 | 389 | -1027 | -1474 | 955 | 1132 | -807 | -2437 | -787 | 204 | 2330 | 3779 | 3742 |
| 1943 Federal Surplus/Deficit | 2741 | 1684 | -302 | -879 | -1435 | -1152 | 773 | 1184 | 2136 | 2091 | 2632 | 3769 | 3845 | 3480 |
| 1944 Federal Surplus/Deficit | 2867 | 990 | -199 | -1095 | -1111 | -1204 | -820 | -2548 | -2386 | -2053 | -3345 | -2203 | 654 | 1545 |
| 1945 Federal Surplus/Deficit | 486 | -411 | -242 | -1096 | -983 | -1454 | -2557 | -2043 | -1903 | -1799 | -2890 | 2265 | 3833 | 2425 |
| 1946 Federal Surplus/Deficit | 776 | 151 | -445 | -1213 | -1167 | -1105 | 106 | -379 | 2460 | 1919 | 2843 | 3906 | 3672 | 3637 |
| 1947 Federal Surplus/Deficit | 2802 | 1026 | 508 | -1184 | -1248 | 2440 | 1441 | 1717 | 2620 | 745 | 1418 | 3755 | 3760 | 3671 |
| 1948 Federal Surplus/Deficit | 2063 | -437 | 157 | 1762 | -342 | 1395 | 2072 | -279 | 1238 | 423 | 2785 | 4031 | 4254 | 3496 |
| 1949 Federal Surplus/Deficit | 3094 | 2950 | 785 | -621 | -1214 | -954 | -597 | -764 | 2776 | 1260 | 2884 | 3902 | 3719 | 1131 |
| 1950 Federal Surplus/Deficit | 486 | -1218 | -787 | -973 | -1272 | -1356 | -19 | 2136 | 3160 | 2329 | 2544 | 3681 | 3106 | 3210 |
| 1951 Federal Surplus/Deficit | 2672 | 1879 | 496 | 181 | 81 | 3134 | 1769 | 1908 | 2266 | 2355 | 2704 | 3904 | 3764 | 3527 |
| 1952 Federal Surplus/Deficit | 3120 | 1887 | 378 | 1159 | -1165 | 1289 | 1201 | 628 | 972 | 2655 | 2985 | 3954 | 3953 | 3169 |
| 1953 Federal Surplus/Deficit | 2058 | -489 | -113 | -938 | -888 | -1394 | -766 | 1077 | -800 | -785 | 646 | 3454 | 3711 | 3465 |
| 1954 Federal Surplus/Deficit | 2762 | 1391 | 256 | -707 | -1175 | 235 | 229 | 1890 | 1312 | 1573 | 1742 | 3859 | 3210 | 3014 |
| 1955 Federal Surplus/Deficit | 3568 | 3396 | 3042 | -443 | -849 | 491 | -707 | -2247 | -2086 | -726 | 215 | 2013 | 3183 | 2750 |
| 1956 Federal Surplus/Deficit | 3148 | 3015 | -215 | -243 | -435 | 2945 | 1713 | 882 | 2960 | 2437 | 2214 | 3899 | 3170 | 3439 |
| 1957 Federal Surplus/Deficit | 3059 | 1727 | 304 | -414 | -1270 | -266 | 234 | -1351 | 938 | 2188 | 2248 | 3933 | 3508 | 3101 |
| 1958 Federal Surplus/Deficit | 1068 | -311 | -89 | -949 | -1069 | -1296 | -692 | 728 | 1340 | 527 | 2438 | 3900 | 3773 | 2992 |
| 1959 Federal Surplus/Deficit | 1069 | 457 | 127 | -1002 | -920 | 1841 | 1732 | 1959 | 1444 | 1528 | 1486 | 3363 | 3461 | 3343 |
| 1960 Federal Surplus/Deficit | 3034 | 1450 | 3099 | 2268 | 779 | 2588 | 1667 | -1277 | 878 | 1873 | 2866 | 2922 | 3702 | 3281 |
| 1961 Federal Surplus/Deficit | 2219 | -771 | 205 | -868 | -1335 | -442 | 452 | 1435 | 1707 | 1733 | 1034 | 3613 | 3307 | 3285 |
| 1962 Federal Surplus/Deficit | 1754 | 1047 | -315 | -915 | -1007 | -1237 | 166 | -1105 | -1504 | 2174 | 2631 | 3390 | 3762 | 3534 |
| 1963 Federal Surplus/Deficit | 2309 | 917 | -142 | -207 | -684 | 1940 | 1270 | -283 | -1184 | -426 | -347 | 3358 | 3915 | 3468 |
| 1964 Federal Surplus/Deficit | 2872 | 1157 | 472 | -1200 | -1114 | -969 | -103 | -1076 | -1877 | 597 | 1233 | 2770 | 3388 | 3050 |
| 1965 Federal Surplus/Deficit | 3096 | 2591 | 1095 | 424 | -1051 | 2869 | 1711 | 2392 | 2626 | 1436 | 2805 | 3801 | 3835 | 3354 |
| 1966 Federal Surplus/Deficit | 3036 | 1990 | 423 | -323 | -1159 | 22 | 1308 | -1312 | -1714 | 2411 | 1382 | 2457 | 3440 | 3485 |
| 1967 Federal Surplus/Deficit | 3085 | 540 | -243 | -1086 | -1136 | -887 | 1846 | 2404 | 186 | 66 | -679 | 2963 | 3247 | 3401 |
| 1968 Federal Surplus/Deficit | 3180 | 1116 | 495 | -700 | -1301 | -681 | 693 | 1250 | 1062 | -1920 | -1008 | 2287 | 3571 | 3661 |
| 1969 Federal Surplus/Deficit | 3174 | 2193 | 1719 | 382 | -311 | 1396 | 1896 | 1890 | 540 | 2388 | 2612 | 3918 | 3623 | 3633 |
| 1970 Federal Surplus/Deficit | 2287 | 172 | 61 | -764 | -974 | -1039 | 273 | 117 | -356 | -930 | 66 | 3245 | 3820 | 3220 |
| 1971 Federal Surplus/Deficit | 852 | -679 | -431 | -1023 | -704 | -1197 | 1430 | 1930 | 2123 | 2164 | 2885 | 3947 | 3401 | 3338 |
| 1972 Federal Surplus/Deficit | 3546 | 3099 | 751 | -501 | -1172 | -187 | 1763 | 2425 | 2474 | 1460 | 2048 | 3913 | 3694 | 3024 |
| 1973 Federal Surplus/Deficit | 3595 | 3245 | 1390 | -413 | -1195 | 202 | 1006 | -2249 | -1951 | -2168 | -2541 | 276 | 1988 | 2158 |
| 1974 Federal Surplus/Deficit | 1093 | -990 | -896 | -1133 | -1488 | 1501 | 1396 | 1863 | 3155 | 2255 | 2558 | 3646 | 3654 | 2680 |
| 1975 Federal Surplus/Deficit | 3425 | 3157 | 593 | -1196 | -1072 | -1057 | 810 | 252 | 1950 | -138 | 867 | 3451 | 3687 | 3210 |
| 1976 Federal Surplus/Deficit | 1572 | 1103 | 542 | 402 | 44 | 3748 | 1694 | 1906 | 1447 | 2525 | 2805 | 3933 | 3767 | 3217 |
| 1977 Federal Surplus/Deficit | 3400 | 3403 | 3780 | -593 | -1125 | -1187 | -646 | -2698 | -2768 | -2265 | -3452 | -1782 | 397 | 867 |
| 1978 Federal Surplus/Deficit | 867 | 171 | -679 | -1370 | -1522 | -1011 | 291 | 109 | 1635 | 2032 | 901 | 3072 | 3508 | 3667 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2710 | 1843 | 1390 | 731 | -92 | 2747 | 1747 | 1364 | 1552 | 2115 | 2758 | 3695 | 3738 | 3402 |
| Middle Eighty Percent | 2083 | 897 | 218 | -701 | -1083 | -201 | 376 | -23 | 445 | 645 | 1142 | 3066 | 3306 | 3009 |
| Bottom Ten Percent | 1992 | -12 | -344 | -937 | -908 | -1252 | -2043 | -2354 | -1737 | -1463 | -2679 | -2083 | 1980 | 1978 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2793 | -1019 | -300 | -1392 | -1123 | -1621 | -1510 | -2829 | -1563 | -1857 | -2885 | -1655 | 3760 | 1969 |
| 1930 Federal Surplus/Deficit | 1002 | -190 | -509 | -913 | -956 | -1205 | -2880 | -1732 | -1661 | -1318 | -2223 | -1723 | 2601 | 2445 |
| 1931 Federal Surplus/Deficit | 1660 | 405 | -813 | -951 | -1059 | -1681 | -2877 | -2843 | -1921 | -1148 | -3073 | -1697 | 2534 | 2058 |
| 1932 Federal Surplus/Deficit | 1366 | 571 | -247 | -1395 | -1276 | -1662 | -2838 | -3030 | -268 | 1845 | 2521 | 4308 | 4317 | 3297 |
| 1933 Federal Surplus/Deficit | 1230 | 1675 | 294 | -1037 | -1710 | -688 | 1263 | 337 | -754 | -160 | 603 | 3376 | 3786 | 2723 |
| 1934 Federal Surplus/Deficit | 2910 | 2552 | 622 | -67 | 312 | 3728 | 1082 | 1618 | 2016 | 1742 | 2452 | 4074 | 2123 | 2576 |
| 1935 Federal Surplus/Deficit | 592 | -504 | -783 | -1395 | -1762 | -1551 | 679 | 1645 | -1800 | -523 | 717 | 2733 | 4009 | 3221 |
| 1936 Federal Surplus/Deficit | 2439 | -69 | -294 | -1212 | -1190 | -1367 | -2358 | -2685 | -1671 | -1014 | 2002 | 4433 | 4199 | 2106 |
| 1937 Federal Surplus/Deficit | 1656 | 288 | -475 | -1037 | -1056 | -1319 | -2943 | -2593 | -1877 | -1626 | -2548 | -1050 | 2686 | 1385 |
| 1938 Federal Surplus/Deficit | 1291 | -181 | -528 | -947 | -1592 | -1203 | 857 | -933 | 1191 | 1213 | 2013 | 4423 | 4427 | 3096 |
| 1939 Federal Surplus/Deficit | 525 | 92 | 282 | -839 | -1206 | -1347 | -706 | -2649 | -926 | -233 | 620 | 3394 | 2216 | 2574 |
| 1940 Federal Surplus/Deficit | 1987 | 312 | -541 | -808 | -1242 | -1087 | -1130 | -1690 | 1297 | 153 | 1900 | 2992 | 2931 | 1949 |
| 1941 Federal Surplus/Deficit | 302 | -826 | -590 | -842 | -1511 | -988 | -843 | -2673 | -1977 | -1379 | -2624 | 1027 | 2759 | 1582 |
| 1942 Federal Surplus/Deficit | 411 | 286 | 244 | -1201 | -1668 | 767 | 934 | -1000 | -2619 | -960 | 34 | 2858 | 4357 | 3614 |
| 1943 Federal Surplus/Deficit | 2702 | 1715 | -447 | -1053 | -1628 | -1343 | 574 | 990 | 1954 | 1922 | 2463 | 4292 | 4424 | 3353 |
| 1944 Federal Surplus/Deficit | 2827 | 1120 | -345 | -1269 | -1304 | -1394 | -1019 | -2743 | -2567 | -2225 | -3516 | -1683 | 1241 | 1423 |
| 1945 Federal Surplus/Deficit | 500 | -258 | -386 | -1269 | -1175 | -1651 | -2762 | -2238 | -2085 | -1971 | -3061 | 2791 | 4412 | 2301 |
| 1946 Federal Surplus/Deficit | 857 | 294 | -590 | -1396 | -1359 | -1295 | -93 | -572 | 2279 | 1748 | 2673 | 4429 | 4252 | 3510 |
| 1947 Federal Surplus/Deficit | 2761 | 1143 | 363 | -1367 | -1441 | 2252 | 1243 | 1524 | 2439 | 574 | 1250 | 4278 | 4338 | 3544 |
| 1948 Federal Surplus/Deficit | 2075 | -203 | 12 | 1587 | -535 | 1209 | 1875 | -473 | 1058 | 252 | 2616 | 4553 | 4831 | 3371 |
| 1949 Federal Surplus/Deficit | 3030 | 2882 | 640 | -795 | -1406 | -1143 | -795 | -958 | 2594 | 1088 | 2715 | 4425 | 4298 | 1010 |
| 1950 Federal Surplus/Deficit | 506 | -1303 | -932 | -1147 | -1464 | -1546 | -218 | 1944 | 2977 | 2158 | 2375 | 4205 | 3691 | 3086 |
| 1951 Federal Surplus/Deficit | 2649 | 1926 | 351 | 6.0 | -112 | 2946 | 1572 | 1718 | 2085 | 2185 | 2535 | 4427 | 4343 | 3401 |
| 1952 Federal Surplus/Deficit | 3053 | 1936 | 233 | 984 | -1357 | 1103 | 1003 | 436 | 793 | 2483 | 2814 | 4478 | 4531 | 3044 |
| 1953 Federal Surplus/Deficit | 2073 | -250 | -258 | -1112 | -1079 | -1583 | -966 | 884 | -981 | -956 | 477 | 3979 | 4292 | 3340 |
| 1954 Federal Surplus/Deficit | 2728 | 1483 | 111 | -881 | -1367 | 48 | 30 | 1698 | 1132 | 1402 | 1573 | 4383 | 3794 | 2892 |
| 1955 Federal Surplus/Deficit | 3393 | 3262 | 2898 | -617 | -1041 | 305 | -906 | -2441 | -2267 | -897 | 46 | 2541 | 3768 | 2630 |
| 1956 Federal Surplus/Deficit | 3077 | 2929 | -360 | -417 | -628 | 2757 | 1516 | 689 | 2777 | 2267 | 2048 | 4423 | 3754 | 3314 |
| 1957 Federal Surplus/Deficit | 2998 | 1794 | 158 | -588 | -1463 | -454 | 36 | -1545 | 756 | 2017 | 2079 | 4455 | 4090 | 2975 |
| 1958 Federal Surplus/Deficit | 1143 | -94 | -234 | -1123 | -1261 | -1493 | -891 | 535 | 1160 | 356 | 2268 | 4423 | 4352 | 2867 |
| 1959 Federal Surplus/Deficit | 1146 | 628 | -17 | -1177 | -1113 | 1654 | 1536 | 1767 | 1264 | 1358 | 1319 | 3888 | 4043 | 3219 |
| 1960 Federal Surplus/Deficit | 2971 | 1536 | 2954 | 2093 | 585 | 2401 | 1470 | -1472 | 698 | 1707 | 2698 | 3449 | 4281 | 3155 |
| 1961 Federal Surplus/Deficit | 2218 | -559 | 60 | -1042 | -1527 | -629 | 255 | 1243 | 1526 | 1563 | 866 | 4138 | 3890 | 3159 |
| 1962 Federal Surplus/Deficit | 1711 | 1054 | -459 | -1089 | -1199 | -1426 | -32 | -1299 | -1685 | 2003 | 2465 | 3915 | 4340 | 3407 |
| 1963 Federal Surplus/Deficit | 2305 | 1031 | -286 | -382 | -877 | 1754 | 1072 | -478 | -1365 | -597 | -515 | 3883 | 4493 | 3341 |
| 1964 Federal Surplus/Deficit | 2826 | 1264 | 327 | -1383 | -1307 | -1158 | -302 | -1268 | -2058 | 425 | 1065 | 3296 | 3971 | 2928 |
| 1965 Federal Surplus/Deficit | 3032 | 2572 | 950 | 250 | -1243 | 2681 | 1514 | 2198 | 2444 | 1265 | 2635 | 4324 | 4414 | 3227 |
| 1966 Federal Surplus/Deficit | 2982 | 2037 | 277 | -498 | -1351 | -165 | 1111 | -1505 | -1896 | 2241 | 1215 | 2985 | 4021 | 3359 |
| 1967 Federal Surplus/Deficit | 2979 | 578 | -388 | -1260 | -1328 | -1075 | 1649 | 2212 | 5.7 | -104 | -847 | 3489 | 3830 | 3277 |
| 1968 Federal Surplus/Deficit | 3105 | 1211 | 350 | -874 | -1494 | -869 | 494 | 1057 | 881 | -2092 | -1175 | 2815 | 4151 | 3535 |
| 1969 Federal Surplus/Deficit | 3099 | 2207 | 1573 | 207 | -504 | 1211 | 1699 | 1698 | 359 | 2218 | 2444 | 4441 | 4204 | 3506 |
| 1970 Federal Surplus/Deficit | 2287 | 339 | -84 | -938 | -1166 | -1228 | 74 | -77 | -537 | -1101 | -102 | 3769 | 4399 | 3094 |
| 1971 Federal Surplus/Deficit | 942 | -435 | -577 | -1197 | -896 | -1387 | 1231 | 1741 | 1941 | 1992 | 2716 | 4470 | 3984 | 3214 |
| 1972 Federal Surplus/Deficit | 3430 | 3014 | 606 | -676 | -1365 | -375 | 1566 | 2233 | 2295 | 1294 | 1879 | 4436 | 4275 | 2903 |
| 1973 Federal Surplus/Deficit | 3418 | 3140 | 1245 | -588 | -1388 | 14 | 808 | -2444 | -2133 | -2340 | -2710 | 806 | 2573 | 2036 |
| 1974 Federal Surplus/Deficit | 1098 | -868 | -1060 | -1307 | -1689 | 1314 | 1200 | 1674 | 2971 | 2085 | 2390 | 4166 | 4235 | 2560 |
| 1975 Federal Surplus/Deficit | 3328 | 3066 | 449 | -1379 | -1264 | -1247 | 611 | 59 | 1769 | -309 | 699 | 3975 | 4267 | 3088 |
| 1976 Federal Surplus/Deficit | 1635 | 1239 | 397 | 227 | -149 | 3557 | 1498 | 1714 | 1266 | 2354 | 2635 | 4455 | 4346 | 3095 |
| 1977 Federal Surplus/Deficit | 3231 | 3226 | 3637 | -767 | -1318 | -1376 | -845 | -2893 | -2956 | -2442 | -3628 | -1248 | 972 | 749 |
| 1978 Federal Surplus/Deficit | 782 | 146 | -822 | -1554 | -1715 | -1202 | 91 | -85 | 1454 | 1862 | 733 | 3598 | 4087 | 3540 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2677 | 1896 | 1245 | 557 | -284 | 2559 | 1551 | 1171 | 1370 | 1946 | 2589 | 4219 | 4318 | 3277 |
| Middle Eighty Percent | 2043 | 953 | 73 | -876 | -1276 | -391 | 178 | -216 | 264 | 474 | 974 | 3591 | 3887 | 2885 |
| Bottom Ten Percent | 1988 | 121 | -488 | -1112 | -1100 | -1444 | -2246 | -2548 | -1918 | -1635 | -2849 | -1561 | 2564 | 1856 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2751 | -1052 | -323 | -1473 | -1172 | -1710 | -1595 | -2911 | -1630 | -1920 | -2946 | -2418 | 2992 | 1894 |
| 1930 Federal Surplus/Deficit | 962 | -225 | -532 | -975 | -1004 | -1279 | -2978 | -1814 | -1727 | -1381 | -2285 | -2486 | 1842 | 2369 |
| 1931 Federal Surplus/Deficit | 1621 | 369 | -836 | -1014 | -1107 | -1770 | -2974 | -2926 | -1988 | -1212 | -3134 | -2460 | 1778 | 1986 |
| 1932 Federal Surplus/Deficit | 1327 | 536 | -269 | -1457 | -1325 | -1752 | -2935 | -3124 | -337 | 1781 | 2465 | 3552 | 3549 | 3215 |
| 1933 Federal Surplus/Deficit | 1191 | 1638 | 271 | -1100 | -1777 | -761 | 1183 | 260 | -819 | -223 | 544 | 2628 | 3027 | 2653 |
| 1934 Federal Surplus/Deficit | 2868 | 2512 | 599 | -130 | 261 | 3638 | 1004 | 1544 | 1950 | 1686 | 2396 | 3320 | 1368 | 2501 |
| 1935 Federal Surplus/Deficit | 554 | -538 | -806 | -1457 | -1829 | -1640 | 598 | 1569 | -1866 | -587 | 662 | 1987 | 3241 | 3140 |
| 1936 Federal Surplus/Deficit | 2399 | -104 | -317 | -1274 | -1238 | -1440 | -2445 | -2767 | -1738 | -1077 | 1939 | 3676 | 3430 | 2032 |
| 1937 Federal Surplus/Deficit | 1616 | 252 | -499 | -1099 | -1104 | -1392 | -3040 | -2674 | -1943 | -1688 | -2609 | -1794 | 1927 | 1314 |
| 1938 Federal Surplus/Deficit | 1252 | -215 | -551 | -1009 | -1642 | -1279 | 775 | -1014 | 1125 | 1150 | 1953 | 3667 | 3655 | 3015 |
| 1939 Federal Surplus/Deficit | 485 | 56 | 259 | -902 | -1254 | -1422 | -790 | -2732 | -994 | -297 | 561 | 2644 | 1459 | 2497 |
| 1940 Federal Surplus/Deficit | 1947 | 277 | -564 | -871 | -1290 | -1160 | -1215 | -1773 | 1230 | 89 | 1843 | 2243 | 2171 | 1876 |
| 1941 Federal Surplus/Deficit | 263 | -860 | -613 | -906 | -1561 | -1062 | -928 | -2756 | -2045 | -1442 | -2684 | 286 | 1998 | 1509 |
| 1942 Federal Surplus/Deficit | 372 | 250 | 220 | -1266 | -1719 | 696 | 852 | -1080 | -2688 | -1026 | -27 | 2109 | 3585 | 3528 |
| 1943 Federal Surplus/Deficit | 2660 | 1676 | -471 | -1116 | -1677 | -1421 | 490 | 909 | 1886 | 1864 | 2404 | 3536 | 3653 | 3270 |
| 1944 Federal Surplus/Deficit | 2784 | 1082 | -369 | -1333 | -1354 | -1469 | -1103 | -2827 | -2635 | -2289 | -3578 | -2446 | 485 | 1351 |
| 1945 Federal Surplus/Deficit | 461 | -293 | -409 | -1332 | -1224 | -1740 | -2860 | -2321 | -2152 | -2034 | -3123 | 2042 | 3640 | 2224 |
| 1946 Federal Surplus/Deficit | 818 | 259 | -614 | -1460 | -1408 | -1372 | -179 | -652 | 2211 | 1686 | 2612 | 3672 | 3483 | 3426 |
| 1947 Federal Surplus/Deficit | 2719 | 1106 | 339 | -1448 | -1491 | 2181 | 1160 | 1444 | 2372 | 513 | 1192 | 3522 | 3566 | 3459 |
| 1948 Federal Surplus/Deficit | 2034 | -239 | -12 | 1524 | -584 | 1140 | 1794 | -554 | 992 | 190 | 2557 | 3796 | 4055 | 3291 |
| 1949 Federal Surplus/Deficit | 2987 | 2839 | 616 | -859 | -1456 | -1218 | -879 | -1039 | 2525 | 1025 | 2657 | 3667 | 3528 | 938 |
| 1950 Federal Surplus/Deficit | 467 | -1338 | -956 | -1210 | -1514 | -1623 | -302 | 1865 | 2907 | 2095 | 2317 | 3451 | 2933 | 3009 |
| 1951 Federal Surplus/Deficit | 2607 | 1887 | 327 | -58 | -163 | 2874 | 1492 | 1643 | 2018 | 2124 | 2479 | 3670 | 3572 | 3319 |
| 1952 Federal Surplus/Deficit | 3009 | 1897 | 209 | 920 | -1408 | 1034 | 920 | 357 | 730 | 2419 | 2753 | 3720 | 3758 | 2963 |
| 1953 Federal Surplus/Deficit | 2033 | -285 | -281 | -1175 | -1127 | -1658 | -1053 | 805 | -1048 | -1019 | 419 | 3226 | 3525 | 3260 |
| 1954 Federal Surplus/Deficit | 2686 | 1445 | 87 | -944 | -1417 | -22 | -52 | 1620 | 1068 | 1340 | 1514 | 3626 | 3033 | 2818 |
| 1955 Federal Surplus/Deficit | 3347 | 3215 | 2875 | -680 | -1089 | 237 | -990 | -2523 | -2333 | -961 | -12 | 1794 | 3009 | 2561 |
| 1956 Federal Surplus/Deficit | 3033 | 2886 | -384 | -480 | -678 | 2686 | 1437 | 608 | 2707 | 2206 | 1995 | 3667 | 2995 | 3235 |
| 1957 Federal Surplus/Deficit | 2954 | 1755 | 134 | -652 | -1512 | -527 | -47 | -1628 | 689 | 1954 | 2020 | 3697 | 3324 | 2896 |
| 1958 Federal Surplus/Deficit | 1103 | -130 | -258 | -1187 | -1310 | -1582 | -976 | 455 | 1097 | 295 | 2207 | 3665 | 3583 | 2788 |
| 1959 Federal Surplus/Deficit | 1106 | 591 | -41 | -1240 | -1163 | 1585 | 1456 | 1689 | 1199 | 1297 | 1264 | 3136 | 3278 | 3142 |
| 1960 Federal Surplus/Deficit | 2929 | 1498 | 2930 | 2029 | 533 | 2331 | 1390 | -1554 | 633 | 1654 | 2641 | 2700 | 3513 | 3075 |
| 1961 Federal Surplus/Deficit | 2177 | -594 | 37 | -1105 | -1577 | -701 | 173 | 1164 | 1461 | 1503 | 810 | 3384 | 3128 | 3079 |
| 1962 Federal Surplus/Deficit | 1672 | 1018 | -483 | -1152 | -1248 | -1501 | -115 | -1381 | -1751 | 1939 | 2410 | 3163 | 3568 | 3324 |
| 1963 Federal Surplus/Deficit | 2264 | 994 | -309 | -447 | -927 | 1685 | 991 | -562 | -1432 | -659 | -572 | 3130 | 3719 | 3258 |
| 1964 Federal Surplus/Deficit | 2784 | 1226 | 304 | -1463 | -1356 | -1232 | -384 | -1347 | -2125 | 360 | 1007 | 2547 | 3209 | 2854 |
| 1965 Federal Surplus/Deficit | 2989 | 2531 | 926 | 187 | -1292 | 2608 | 1435 | 2117 | 2375 | 1203 | 2574 | 3567 | 3642 | 3144 |
| 1966 Federal Surplus/Deficit | 2939 | 1997 | 253 | -561 | -1401 | -235 | 1030 | -1586 | -1964 | 2181 | 1160 | 2239 | 3254 | 3278 |
| 1967 Federal Surplus/Deficit | 2936 | 542 | -411 | -1323 | -1377 | -1150 | 1569 | 2134 | -60 | -164 | -901 | 2739 | 3068 | 3199 |
| 1968 Federal Surplus/Deficit | 3062 | 1174 | 327 | -938 | -1544 | -942 | 412 | 977 | 817 | -2156 | -1230 | 2068 | 3383 | 3453 |
| 1969 Federal Surplus/Deficit | 3055 | 2167 | 1550 | 144 | -553 | 1143 | 1619 | 1620 | 293 | 2159 | 2388 | 3685 | 3438 | 3423 |
| 1970 Federal Surplus/Deficit | 2247 | 303 | -107 | -1002 | -1214 | -1302 | -12 | -158 | -603 | -1164 | -159 | 3016 | 3627 | 3012 |
| 1971 Federal Surplus/Deficit | 903 | -470 | -601 | -1261 | -946 | -1463 | 1147 | 1666 | 1873 | 1929 | 2657 | 3713 | 3221 | 3135 |
| 1972 Federal Surplus/Deficit | 3385 | 2971 | 582 | -740 | -1416 | -448 | 1484 | 2154 | 2232 | 1240 | 1822 | 3680 | 3508 | 2828 |
| 1973 Federal Surplus/Deficit | 3373 | 3096 | 1221 | -652 | -1438 | -58 | 726 | -2527 | -2201 | -2404 | -2770 | 64 | 1815 | 1963 |
| 1974 Federal Surplus/Deficit | 1059 | -902 | -1093 | -1371 | -1756 | 1244 | 1122 | 1601 | 2900 | 2027 | 2335 | 3402 | 3469 | 2491 |
| 1975 Federal Surplus/Deficit | 3283 | 3022 | 425 | -1460 | -1312 | -1323 | 528 | -21 | 1703 | -371 | 642 | 3222 | 3499 | 3013 |
| 1976 Federal Surplus/Deficit | 1594 | 1201 | 373 | 162 | -199 | 3478 | 1418 | 1635 | 1198 | 2293 | 2576 | 3698 | 3574 | 3018 |
| 1977 Federal Surplus/Deficit | 3188 | 3180 | 3615 | -831 | -1368 | -1451 | -928 | -2976 | -3036 | -2516 | -3703 | -1983 | 192 | 682 |
| 1978 Federal Surplus/Deficit | 744 | 112 | -844 | -1634 | -1765 | -1282 | 6.0 | -167 | 1389 | 1802 | 676 | 2846 | 3316 | 3455 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2635 | 1857 | 1221 | 493 | -335 | 2487 | 1471 | 1092 | 1303 | 1886 | 2532 | 3464 | 3548 | 3196 |
| Middle Eighty Percent | 2002 | 915 | 49 | -941 | -1327 | -466 | 94 | -297 | 197 | 412 | 915 | 2839 | 3121 | 2807 |
| Bottom Ten Percent | 1947 | 85 | -512 | -1179 | -1148 | -1524 | -2338 | -2630 | -1985 | -1698 | -2910 | -2321 | 1805 | 1783 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2706 | -1081 | 197 | -1021 | -751 | -1254 | -1164 | -2509 | -1179 | -1482 | -2506 | -1498 | 4126 | 2343 |
| 1930 Federal Surplus/Deficit | 923 | -257 | -11 | -506 | -583 | -809 | -2556 | -1409 | -1276 | -945 | -1848 | -1565 | 2983 | 2818 |
| 1931 Federal Surplus/Deficit | 1581 | 337 | -315 | -543 | -688 | -1313 | -2550 | -2521 | -1536 | -774 | -2693 | -1539 | 2920 | 2437 |
| 1932 Federal Surplus/Deficit | 1288 | 505 | 253 | -986 | -902 | -1279 | -2513 | -2731 | 111 | 2221 | 2913 | 4478 | 4680 | 3657 |
| 1933 Federal Surplus/Deficit | 1150 | 1600 | 791 | -634 | -1369 | -288 | 1622 | 668 | -368 | 215 | 986 | 3562 | 4165 | 3107 |
| 1934 Federal Surplus/Deficit | 2822 | 2469 | 1118 | 334 | 678 | 4098 | 1444 | 1956 | 2401 | 2134 | 2842 | 4248 | 2510 | 2950 |
| 1935 Federal Surplus/Deficit | 515 | -568 | -285 | -982 | -1418 | -1179 | 1036 | 1979 | -1415 | -147 | 1109 | 2923 | 4372 | 3586 |
| 1936 Federal Surplus/Deficit | 2356 | -135 | 203 | -801 | -811 | -966 | -2012 | -2365 | -1287 | -640 | 2378 | 4603 | 4561 | 2482 |
| 1937 Federal Surplus/Deficit | 1576 | 220 | 21 | -633 | -683 | -917 | -2619 | -2270 | -1491 | -1249 | -2167 | -856 | 3065 | 1766 |
| 1938 Federal Surplus/Deficit | 1213 | -245 | -30 | -542 | -1222 | -807 | 1212 | -607 | 1576 | 1588 | 2395 | 4594 | 4784 | 3459 |
| 1939 Federal Surplus/Deficit | 445 | 23 | 779 | -435 | -834 | -953 | -358 | -2330 | -545 | 139 | 1000 | 3577 | 2601 | 2945 |
| 1940 Federal Surplus/Deficit | 1907 | 246 | -43 | -402 | -872 | -687 | -782 | -1370 | 1681 | 524 | 2285 | 3176 | 3310 | 2327 |
| 1941 Federal Surplus/Deficit | 224 | -890 | -93 | -436 | -1141 | -589 | -494 | -2354 | -1597 | -1003 | -2241 | 1225 | 3135 | 1960 |
| 1942 Federal Surplus/Deficit | 332 | 217 | 739 | -797 | -1299 | 1172 | 1287 | -675 | -2238 | -588 | 415 | 3044 | 4712 | 3968 |
| 1943 Federal Surplus/Deficit | 2616 | 1638 | 48 | -649 | -1258 | -950 | 925 | 1313 | 2334 | 2309 | 2849 | 4464 | 4783 | 3714 |
| 1944 Federal Surplus/Deficit | 2738 | 1045 | 149 | -868 | -937 | -1001 | -671 | -2426 | -2185 | -1852 | -3139 | -1525 | 1628 | 1802 |
| 1945 Federal Surplus/Deficit | 422 | -325 | 111 | -864 | -801 | -1282 | -2440 | -1917 | -1702 | -1597 | -2683 | 2975 | 4768 | 2673 |
| 1946 Federal Surplus/Deficit | 778 | 226 | -94 | -994 | -991 | -905 | 251 | -249 | 2658 | 2125 | 3053 | 4599 | 4615 | 3867 |
| 1947 Federal Surplus/Deficit | 2674 | 1070 | 858 | -997 | -1071 | 2652 | 1592 | 1849 | 2819 | 952 | 1635 | 4450 | 4695 | 3900 |
| 1948 Federal Surplus/Deficit | 1993 | -271 | 507 | 1991 | -165 | 1615 | 2227 | -153 | 1443 | 628 | 2997 | 4724 | 5182 | 3736 |
| 1949 Federal Surplus/Deficit | 2939 | 2791 | 1135 | -391 | -1036 | -749 | -447 | -635 | 2971 | 1461 | 3098 | 4597 | 4658 | 1389 |
| 1950 Federal Surplus/Deficit | 427 | -1370 | -436 | -741 | -1094 | -1156 | 130 | 2271 | 3351 | 2537 | 2761 | 4380 | 4075 | 3458 |
| 1951 Federal Surplus/Deficit | 2562 | 1847 | 846 | 405 | 252 | 3346 | 1928 | 2051 | 2466 | 2564 | 2924 | 4599 | 4701 | 3763 |
| 1952 Federal Surplus/Deficit | 2962 | 1857 | 728 | 1385 | -992 | 1508 | 1353 | 760 | 1181 | 2857 | 3193 | 4650 | 4887 | 3407 |
| 1953 Federal Surplus/Deficit | 1992 | -318 | 239 | -706 | -706 | -1188 | -624 | 1209 | -602 | -582 | 860 | 4156 | 4659 | 3705 |
| 1954 Federal Surplus/Deficit | 2641 | 1408 | 607 | -477 | -995 | 451 | 382 | 2026 | 1521 | 1779 | 1957 | 4554 | 4170 | 3268 |
| 1955 Federal Surplus/Deficit | 3296 | 3161 | 3395 | -212 | -668 | 712 | -557 | -2120 | -1883 | -524 | 429 | 2730 | 4150 | 3016 |
| 1956 Federal Surplus/Deficit | 2985 | 2838 | 136 | -11 | -259 | 3158 | 1872 | 1012 | 3153 | 2648 | 2446 | 4596 | 4136 | 3680 |
| 1957 Federal Surplus/Deficit | 2907 | 1716 | 653 | -185 | -1093 | -57 | 386 | -1227 | 1136 | 2392 | 2462 | 4626 | 4459 | 3340 |
| 1958 Federal Surplus/Deficit | 1063 | -164 | 262 | -719 | -888 | -1126 | -545 | 857 | 1549 | 734 | 2648 | 4592 | 4714 | 3233 |
| 1959 Federal Surplus/Deficit | 1066 | 557 | 478 | -772 | -743 | 2061 | 1895 | 2095 | 1650 | 1737 | 1709 | 4066 | 4413 | 3588 |
| 1960 Federal Surplus/Deficit | 2882 | 1460 | 3450 | 2496 | 951 | 2805 | 1826 | -1151 | 1084 | 2098 | 3083 | 3633 | 4643 | 3519 |
| 1961 Federal Surplus/Deficit | 2136 | -626 | 557 | -634 | -1158 | -226 | 608 | 1572 | 1914 | 1946 | 1257 | 4313 | 4265 | 3524 |
| 1962 Federal Surplus/Deficit | 1631 | 983 | 38 | -680 | -826 | -1029 | 319 | -978 | -1301 | 2375 | 2854 | 4095 | 4696 | 3768 |
| 1963 Federal Surplus/Deficit | 2222 | 959 | 211 | 20 | -510 | 2159 | 1427 | -160 | -980 | -220 | -128 | 4061 | 4850 | 3700 |
| 1964 Federal Surplus/Deficit | 2739 | 1190 | 824 | -1013 | -934 | -758 | 51 | -941 | -1676 | 795 | 1449 | 3481 | 4347 | 3305 |
| 1965 Federal Surplus/Deficit | 2941 | 2487 | 1445 | 655 | -872 | 3079 | 1872 | 2519 | 2822 | 1644 | 3017 | 4494 | 4771 | 3588 |
| 1966 Federal Surplus/Deficit | 2893 | 1957 | 771 | -98 | -983 | 238 | 1464 | -1184 | -1516 | 2619 | 1603 | 3175 | 4386 | 3721 |
| 1967 Federal Surplus/Deficit | 2891 | 509 | 110 | -854 | -955 | -678 | 2007 | 2540 | 391 | 279 | -454 | 3672 | 4206 | 3647 |
| 1968 Federal Surplus/Deficit | 3015 | 1139 | 847 | -473 | -1125 | -472 | 844 | 1380 | 1266 | -1721 | -787 | 3004 | 4516 | 3896 |
| 1969 Federal Surplus/Deficit | 3008 | 2126 | 2069 | 609 | -136 | 1618 | 2055 | 2024 | 741 | 2600 | 2832 | 4615 | 4573 | 3864 |
| 1970 Federal Surplus/Deficit | 2205 | 270 | 413 | -528 | -787 | -827 | 423 | 247 | -151 | -724 | 287 | 3944 | 4755 | 3456 |
| 1971 Federal Surplus/Deficit | 863 | -502 | -83 | -794 | -526 | -995 | 1578 | 2073 | 2322 | 2365 | 3098 | 4642 | 4359 | 3581 |
| 1972 Federal Surplus/Deficit | 3332 | 2922 | 1101 | -273 | -997 | 23 | 1918 | 2559 | 2685 | 1689 | 2268 | 4609 | 4642 | 3277 |
| 1973 Federal Surplus/Deficit | 3321 | 3045 | 1740 | -182 | -1020 | 416 | 1161 | -2125 | -1752 | -1965 | -2326 | 1003 | 2954 | 2413 |
| 1974 Federal Surplus/Deficit | 1020 | -933 | -590 | -902 | -1352 | 1717 | 1557 | 2010 | 3345 | 2471 | 2783 | 4326 | 4604 | 2946 |
| 1975 Federal Surplus/Deficit | 3232 | 2973 | 945 | -1010 | -892 | -853 | 964 | 384 | 2153 | 68 | 1086 | 4153 | 4630 | 3463 |
| 1976 Federal Surplus/Deficit | 1552 | 1163 | 892 | 628 | 219 | 3943 | 1854 | 2039 | 1646 | 2735 | 3020 | 4625 | 4703 | 3467 |
| 1977 Federal Surplus/Deficit | 3141 | 3127 | 4137 | -365 | -951 | -982 | -496 | -2576 | -2597 | -2088 | -3274 | -1038 | 1315 | 1137 |
| 1978 Federal Surplus/Deficit | 707 | 81 | -323 | -1182 | -1344 | -817 | 436 | 235 | 1840 | 2243 | 1120 | 3779 | 4446 | 3896 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2589 | 1817 | 1740 | 958 | 83 | 2958 | 1907 | 1496 | 1752 | 2328 | 2975 | 4393 | 4678 | 3640 |
| Middle Eighty Percent | 1959 | 878 | 569 | -475 | -908 | 4.6 | 528 | 108 | 646 | 851 | 1358 | 3770 | 4254 | 3254 |
| Bottom Ten Percent | 1905 | 53 | 8.3 | -714 | -728 | -1059 | -1912 | -2227 | -1533 | -1260 | -2471 | -1397 | 2944 | 2233 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 3102 | -670 | 65 | -1087 | -809 | -1332 | -1270 | -2609 | -1266 | -1559 | -2580 | -2282 | 3359 | 2285 |
| 1930 Federal Surplus/Deficit | 1323 | 151 | -143 | -555 | -640 | -872 | -2673 | -1509 | -1363 | -1022 | -1923 | -2350 | 2224 | 2759 |
| 1931 Federal Surplus/Deficit | 1982 | 744 | -447 | -593 | -746 | -1391 | -2667 | -2622 | -1623 | -851 | -2768 | -2324 | 2164 | 2381 |
| 1932 Federal Surplus/Deficit | 1690 | 913 | 123 | -1035 | -960 | -1344 | -2630 | -2841 | 22 | 2144 | 2843 | 3700 | 3913 | 3593 |
| 1933 Federal Surplus/Deficit | 1550 | 2003 | 656 | -683 | -1429 | -350 | 1520 | 572 | -453 | 139 | 913 | 2791 | 3406 | 3053 |
| 1934 Federal Surplus/Deficit | 3217 | 2866 | 983 | 284 | 619 | 4020 | 1343 | 1863 | 2315 | 2064 | 2771 | 3471 | 1755 | 2891 |
| 1935 Federal Surplus/Deficit | 925 | -151 | -408 | -1031 | -1492 | -1257 | 934 | 1884 | -1501 | -224 | 1039 | 2154 | 3605 | 3522 |
| 1936 Federal Surplus/Deficit | 2756 | 274 | 75 | -851 | -869 | -1029 | -2120 | -2465 | -1374 | -717 | 2302 | 3824 | 3793 | 2425 |
| 1937 Federal Surplus/Deficit | 1978 | 628 | -113 | -683 | -740 | -980 | -2736 | -2370 | -1577 | -1325 | -2242 | -1623 | 2305 | 1710 |
| 1938 Federal Surplus/Deficit | 1614 | 164 | -162 | -591 | -1280 | -873 | 1109 | -706 | 1490 | 1511 | 2322 | 3816 | 4014 | 3396 |
| 1939 Federal Surplus/Deficit | 845 | 429 | 647 | -485 | -892 | -1017 | -463 | -2430 | -633 | 61 | 926 | 2805 | 1844 | 2885 |
| 1940 Federal Surplus/Deficit | 2307 | 653 | -174 | -452 | -930 | -750 | -888 | -1470 | 1594 | 447 | 2214 | 2405 | 2550 | 2271 |
| 1941 Federal Surplus/Deficit | 625 | -481 | -226 | -487 | -1200 | -652 | -599 | -2455 | -1685 | -1080 | -2315 | 460 | 2374 | 1903 |
| 1942 Federal Surplus/Deficit | 733 | 624 | 606 | -849 | -1359 | 1111 | 1184 | -773 | -2327 | -668 | 340 | 2273 | 3941 | 3900 |
| 1943 Federal Surplus/Deficit | 3012 | 2040 | -83 | -699 | -1317 | -1018 | 820 | 1214 | 2246 | 2237 | 2776 | 3686 | 4013 | 3648 |
| 1944 Federal Surplus/Deficit | 3132 | 1448 | 14 | -919 | -995 | -1066 | -777 | -2527 | -2273 | -1930 | -3216 | -2309 | 872 | 1746 |
| 1945 Federal Surplus/Deficit | 823 | 83 | -19 | -913 | -859 | -1359 | -2557 | -2018 | -1789 | -1674 | -2759 | 2203 | 3998 | 2613 |
| 1946 Federal Surplus/Deficit | 1178 | 633 | -227 | -1044 | -1049 | -972 | 145 | -348 | 2570 | 2049 | 2978 | 3820 | 3847 | 3801 |
| 1947 Federal Surplus/Deficit | 3070 | 1474 | 726 | -1063 | -1131 | 2591 | 1488 | 1751 | 2732 | 877 | 1564 | 3672 | 3925 | 3833 |
| 1948 Federal Surplus/Deficit | 2392 | 136 | 374 | 1941 | -224 | 1555 | 2125 | -253 | 1358 | 552 | 2924 | 3944 | 4408 | 3673 |
| 1949 Federal Surplus/Deficit | 3335 | 3187 | 1002 | -441 | -1095 | -814 | -552 | -735 | 2882 | 1384 | 3026 | 3818 | 3889 | 1333 |
| 1950 Federal Surplus/Deficit | 828 | -962 | -568 | -791 | -1153 | -1222 | 25 | 2173 | 3261 | 2461 | 2689 | 3604 | 3316 | 3397 |
| 1951 Federal Surplus/Deficit | 2957 | 2248 | 712 | 353 | 192 | 3283 | 1827 | 1957 | 2379 | 2490 | 2853 | 3820 | 3931 | 3699 |
| 1952 Federal Surplus/Deficit | 3357 | 2260 | 595 | 1334 | -1051 | 1449 | 1250 | 663 | 1098 | 2779 | 3118 | 3871 | 4116 | 3344 |
| 1953 Federal Surplus/Deficit | 2390 | 89 | 106 | -756 | -763 | -1253 | -731 | 1111 | -689 | -659 | 788 | 3381 | 3893 | 3642 |
| 1954 Federal Surplus/Deficit | 3037 | 1811 | 475 | -527 | -1053 | 390 | 278 | 1929 | 1437 | 1703 | 1884 | 3776 | 3409 | 3210 |
| 1955 Federal Surplus/Deficit | 3686 | 3549 | 3264 | -262 | -726 | 653 | -662 | -2220 | -1970 | -601 | 357 | 1959 | 3390 | 2963 |
| 1956 Federal Surplus/Deficit | 3378 | 3232 | 2.8 | -61 | -318 | 3096 | 1772 | 914 | 3063 | 2573 | 2378 | 3818 | 3376 | 3618 |
| 1957 Federal Surplus/Deficit | 3303 | 2118 | 519 | -236 | -1152 | -120 | 282 | -1327 | 1049 | 2315 | 2389 | 3846 | 3694 | 3278 |
| 1958 Federal Surplus/Deficit | 1462 | 243 | 129 | -770 | -946 | -1203 | -651 | 759 | 1465 | 658 | 2573 | 3812 | 3945 | 3171 |
| 1959 Federal Surplus/Deficit | 1466 | 963 | 346 | -823 | -803 | 2001 | 1794 | 1998 | 1565 | 1662 | 1640 | 3292 | 3649 | 3527 |
| 1960 Federal Surplus/Deficit | 3276 | 1863 | 3319 | 2444 | 890 | 2744 | 1724 | -1252 | 998 | 2030 | 3012 | 2862 | 3875 | 3456 |
| 1961 Federal Surplus/Deficit | 2536 | -217 | 422 | -684 | -1217 | -287 | 505 | 1474 | 1829 | 1872 | 1187 | 3537 | 3502 | 3460 |
| 1962 Federal Surplus/Deficit | 2031 | 1388 | -95 | -730 | -884 | -1093 | 214 | -1078 | -1388 | 2298 | 2785 | 3320 | 3926 | 3702 |
| 1963 Federal Surplus/Deficit | 2620 | 1364 | 78 | -32 | -569 | 2100 | 1325 | -261 | -1067 | -297 | -199 | 3285 | 4078 | 3635 |
| 1964 Federal Surplus/Deficit | 3134 | 1593 | 693 | -1065 | -992 | -822 | -53 | -1038 | -1763 | 717 | 1378 | 2709 | 3586 | 3247 |
| 1965 Federal Surplus/Deficit | 3335 | 2884 | 1312 | 605 | -930 | 3016 | 1771 | 2419 | 2734 | 1568 | 2943 | 3716 | 4000 | 3522 |
| 1966 Federal Surplus/Deficit | 3287 | 2357 | 635 | -149 | -1042 | 177 | 1362 | -1283 | -1604 | 2544 | 1533 | 2405 | 3620 | 3657 |
| 1967 Federal Surplus/Deficit | 3286 | 916 | -22 | -904 | -1013 | -742 | 1906 | 2444 | 306 | 205 | -523 | 2899 | 3444 | 3586 |
| 1968 Federal Surplus/Deficit | 3409 | 1544 | 715 | -523 | -1184 | -535 | 741 | 1281 | 1182 | -1799 | -856 | 2235 | 3749 | 3831 |
| 1969 Federal Surplus/Deficit | 3403 | 2526 | 1936 | 559 | -195 | 1560 | 1953 | 1927 | 655 | 2527 | 2762 | 3836 | 3808 | 3798 |
| 1970 Federal Surplus/Deficit | 2611 | 685 | 289 | -579 | -845 | -890 | 316 | 148 | -237 | -801 | 216 | 3168 | 3984 | 3392 |
| 1971 Federal Surplus/Deficit | 1263 | -94 | -217 | -845 | -585 | -1062 | 1472 | 1979 | 2234 | 2288 | 3025 | 3863 | 3596 | 3519 |
| 1972 Federal Surplus/Deficit | 3721 | 3314 | 968 | -324 | -1057 | -40 | 1815 | 2461 | 2601 | 1621 | 2196 | 3830 | 3875 | 3218 |
| 1973 Federal Surplus/Deficit | 3710 | 3436 | 1606 | -233 | -1079 | 353 | 1058 | -2226 | -1840 | -2042 | -2400 | 237 | 2195 | 2356 |
| 1974 Federal Surplus/Deficit | 1421 | -524 | -738 | -952 | -1426 | 1656 | 1457 | 1917 | 3254 | 2398 | 2713 | 3542 | 3839 | 2893 |
| 1975 Federal Surplus/Deficit | 3623 | 3364 | 810 | -1076 | -950 | -919 | 860 | 285 | 2067 | -8.0 | 1015 | 3377 | 3863 | 3405 |
| 1976 Federal Surplus/Deficit | 1950 | 1565 | 758 | 576 | 160 | 3874 | 1752 | 1942 | 1558 | 2660 | 2947 | 3846 | 3933 | 3407 |
| 1977 Federal Surplus/Deficit | 3534 | 3516 | 4004 | -416 | -1010 | -1047 | -601 | -2677 | -2695 | -2176 | -3361 | -1798 | 538 | 1086 |
| 1978 Federal Surplus/Deficit | 1109 | 489 | -455 | -1248 | -1402 | -886 | 329 | 135 | 1754 | 2168 | 1049 | 3005 | 3677 | 3828 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2984 | 2217 | 1608 | 907 | 23 | 2895 | 1805 | 1399 | 1665 | 2255 | 2903 | 3616 | 3910 | 3576 |
| Middle Eighty Percent | 2357 | 1282 | 436 | -526 | -967 | -60 | 423 | 8.8 | 559 | 775 | 1286 | 2995 | 3488 | 3193 |
| Bottom Ten Percent | 2303 | 460 | -125 | -767 | -786 | -1128 | -2025 | -2327 | -1620 | -1338 | -2546 | -2178 | 2185 | 2176 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 3043 | -714 | 7.6 | -1206 | -941 | -1467 | -1413 | -2749 | -1392 | -1668 | -2689 | -1677 | 4006 | 2221 |
| 1930 Federal Surplus/Deficit | 1269 | 104 | -200 | -674 | -772 | -1007 | -2816 | -1649 | -1488 | -1131 | -2032 | -1744 | 2871 | 2695 |
| 1931 Federal Surplus/Deficit | 1927 | 695 | -504 | -712 | -878 | -1526 | -2810 | -2761 | -1749 | -960 | -2876 | -1718 | 2812 | 2317 |
| 1932 Federal Surplus/Deficit | 1637 | 866 | 67 | -1154 | -1092 | -1479 | -2773 | -2981 | -104 | 2035 | 2734 | 4306 | 4560 | 3528 |
| 1933 Federal Surplus/Deficit | 1495 | 1950 | 599 | -802 | -1561 | -485 | 1377 | 433 | -579 | 30 | 805 | 3396 | 4053 | 2989 |
| 1934 Federal Surplus/Deficit | 3158 | 2809 | 925 | 165 | 486 | 3885 | 1200 | 1723 | 2189 | 1955 | 2663 | 4077 | 2402 | 2827 |
| 1935 Federal Surplus/Deficit | 872 | -197 | -465 | -1150 | -1624 | -1392 | 791 | 1744 | -1627 | -333 | 930 | 2760 | 4252 | 3458 |
| 1936 Federal Surplus/Deficit | 2699 | 226 | 18 | -970 | -1001 | -1164 | -2263 | -2605 | -1500 | -826 | 2193 | 4430 | 4440 | 2361 |
| 1937 Federal Surplus/Deficit | 1923 | 580 | -171 | -802 | -872 | -1115 | -2879 | -2510 | -1703 | -1434 | -2350 | -1017 | 2952 | 1646 |
| 1938 Federal Surplus/Deficit | 1561 | 118 | -219 | -710 | -1413 | -1008 | 967 | -845 | 1364 | 1402 | 2213 | 4422 | 4661 | 3332 |
| 1939 Federal Surplus/Deficit | 790 | 380 | 589 | -604 | -1024 | -1152 | -606 | -2570 | -759 | -47 | 817 | 3411 | 2491 | 2821 |
| 1940 Federal Surplus/Deficit | 2252 | 606 | -231 | -571 | -1062 | -885 | -1031 | -1610 | 1468 | 338 | 2106 | 3010 | 3197 | 2207 |
| 1941 Federal Surplus/Deficit | 572 | -527 | -284 | -606 | -1332 | -787 | -742 | -2595 | -1810 | -1189 | -2424 | 1066 | 3021 | 1839 |
| 1942 Federal Surplus/Deficit | 679 | 575 | 547 | -968 | -1491 | 976 | 1041 | -913 | -2453 | -777 | 232 | 2878 | 4589 | 3836 |
| 1943 Federal Surplus/Deficit | 2953 | 1986 | -142 | -818 | -1450 | -1152 | 677 | 1075 | 2120 | 2128 | 2668 | 4292 | 4660 | 3584 |
| 1944 Federal Surplus/Deficit | 3071 | 1396 | -45 | -1038 | -1128 | -1201 | -919 | -2667 | -2399 | -2039 | -3324 | -1703 | 1519 | 1682 |
| 1945 Federal Surplus/Deficit | 769 | 36 | -76 | -1032 | -991 | -1494 | -2700 | -2158 | -1915 | -1783 | -2867 | 2809 | 4645 | 2548 |
| 1946 Federal Surplus/Deficit | 1123 | 584 | -285 | -1163 | -1182 | -1107 | 2.5 | -487 | 2445 | 1940 | 2870 | 4426 | 4495 | 3736 |
| 1947 Federal Surplus/Deficit | 3011 | 1422 | 667 | -1182 | -1263 | 2456 | 1346 | 1611 | 2607 | 768 | 1455 | 4278 | 4572 | 3768 |
| 1948 Federal Surplus/Deficit | 2335 | 88 | 316 | 1822 | -356 | 1420 | 1982 | -393 | 1232 | 443 | 2816 | 4550 | 5055 | 3608 |
| 1949 Federal Surplus/Deficit | 3273 | 3125 | 944 | -561 | -1227 | -949 | -694 | -874 | 2756 | 1275 | 2918 | 4424 | 4536 | 1269 |
| 1950 Federal Surplus/Deficit | 773 | -1010 | -626 | -910 | -1285 | -1357 | -118 | 2034 | 3135 | 2352 | 2580 | 4209 | 3964 | 3333 |
| 1951 Federal Surplus/Deficit | 2898 | 2194 | 653 | 234 | 60 | 3148 | 1684 | 1817 | 2253 | 2381 | 2744 | 4426 | 4578 | 3635 |
| 1952 Federal Surplus/Deficit | 3296 | 2205 | 536 | 1215 | -1183 | 1314 | 1107 | 523 | 972 | 2670 | 3009 | 4477 | 4763 | 3279 |
| 1953 Federal Surplus/Deficit | 2334 | 41 | 49 | -875 | -896 | -1388 | -873 | 971 | -815 | -767 | 680 | 3987 | 4540 | 3578 |
| 1954 Federal Surplus/Deficit | 2978 | 1759 | 417 | -646 | -1185 | 255 | 135 | 1790 | 1311 | 1594 | 1775 | 4382 | 4056 | 3146 |
| 1955 Federal Surplus/Deficit | 3621 | 3482 | 3207 | -381 | -858 | 518 | -804 | -2360 | -2096 | -710 | 248 | 2565 | 4037 | 2899 |
| 1956 Federal Surplus/Deficit | 3316 | 3170 | -55 | -180 | -450 | 2961 | 1629 | 774 | 2937 | 2464 | 2270 | 4424 | 4024 | 3554 |
| 1957 Federal Surplus/Deficit | 3242 | 2064 | 461 | -355 | -1285 | -255 | 139 | -1466 | 923 | 2206 | 2281 | 4452 | 4341 | 3213 |
| 1958 Federal Surplus/Deficit | 1407 | 194 | 71 | -889 | -1078 | -1338 | -794 | 619 | 1339 | 549 | 2465 | 4417 | 4593 | 3107 |
| 1959 Federal Surplus/Deficit | 1411 | 913 | 288 | -942 | -935 | 1866 | 1652 | 1858 | 1439 | 1553 | 1531 | 3898 | 4296 | 3463 |
| 1960 Federal Surplus/Deficit | 3216 | 1810 | 3261 | 2325 | 757 | 2609 | 1581 | -1391 | 873 | 1921 | 2903 | 3468 | 4522 | 3392 |
| 1961 Federal Surplus/Deficit | 2480 | -264 | 365 | -803 | -1349 | -422 | 363 | 1334 | 1703 | 1763 | 1079 | 4142 | 4150 | 3396 |
| 1962 Federal Surplus/Deficit | 1976 | 1338 | -153 | -849 | -1017 | -1228 | 72 | -1217 | -1514 | 2189 | 2676 | 3926 | 4573 | 3638 |
| 1963 Federal Surplus/Deficit | 2563 | 1314 | 21 | -151 | -701 | 1965 | 1182 | -401 | -1192 | -405 | -308 | 3891 | 4725 | 3571 |
| 1964 Federal Surplus/Deficit | 3075 | 1542 | 635 | -1184 | -1124 | -957 | -196 | -1178 | -1889 | 608 | 1269 | 3314 | 4233 | 3183 |
| 1965 Federal Surplus/Deficit | 3273 | 2826 | 1254 | 486 | -1062 | 2881 | 1628 | 2280 | 2608 | 1459 | 2835 | 4321 | 4648 | 3458 |
| 1966 Federal Surplus/Deficit | 3227 | 2301 | 576 | -268 | -1174 | 42 | 1219 | -1423 | -1730 | 2435 | 1425 | 3010 | 4267 | 3593 |
| 1967 Federal Surplus/Deficit | 3226 | 867 | -79 | -1023 | -1145 | -877 | 1763 | 2304 | 180 | 96 | -631 | 3505 | 4091 | 3521 |
| 1968 Federal Surplus/Deficit | 3348 | 1493 | 657 | -642 | -1317 | -670 | 598 | 1142 | 1056 | -1908 | -964 | 2840 | 4396 | 3767 |
| 1969 Federal Surplus/Deficit | 3342 | 2470 | 1879 | 440 | -328 | 1425 | 1811 | 1787 | 529 | 2418 | 2653 | 4442 | 4455 | 3733 |
| 1970 Federal Surplus/Deficit | 2555 | 637 | 232 | -698 | -978 | -1025 | 174 | 8.1 | -362 | -910 | 107 | 3773 | 4631 | 3327 |
| 1971 Federal Surplus/Deficit | 1209 | -141 | -277 | -964 | -717 | -1197 | 1330 | 1839 | 2108 | 2179 | 2917 | 4469 | 4243 | 3455 |
| 1972 Federal Surplus/Deficit | 3655 | 3251 | 910 | -444 | -1189 | -175 | 1672 | 2321 | 2476 | 1513 | 2088 | 4436 | 4523 | 3154 |
| 1973 Federal Surplus/Deficit | 3644 | 3371 | 1548 | -352 | -1211 | 218 | 915 | -2366 | -1966 | -2151 | -2508 | 842 | 2843 | 2291 |
| 1974 Federal Surplus/Deficit | 1367 | -571 | -811 | -1071 | -1558 | 1521 | 1314 | 1777 | 3128 | 2289 | 2605 | 4148 | 4486 | 2829 |
| 1975 Federal Surplus/Deficit | 3558 | 3301 | 752 | -1195 | -1083 | -1053 | 717 | 146 | 1941 | -117 | 907 | 3983 | 4510 | 3341 |
| 1976 Federal Surplus/Deficit | 1893 | 1513 | 700 | 457 | 27 | 3739 | 1610 | 1802 | 1433 | 2551 | 2838 | 4451 | 4580 | 3343 |
| 1977 Federal Surplus/Deficit | 3472 | 3449 | 3948 | -535 | -1143 | -1181 | -743 | -2817 | -2821 | -2284 | -3470 | -1192 | 1185 | 1022 |
| 1978 Federal Surplus/Deficit | 1057 | 443 | -512 | -1367 | -1535 | -1021 | 187 | -4.6 | 1628 | 2060 | 941 | 3611 | 4324 | 3764 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2925 | 2162 | 1549 | 788 | -109 | 2760 | 1663 | 1259 | 1539 | 2146 | 2795 | 4222 | 4557 | 3512 |
| Middle Eighty Percent | 2299 | 1230 | 378 | -645 | -1100 | -195 | 280 | -131 | 433 | 666 | 1177 | 3601 | 4136 | 3128 |
| Bottom Ten Percent | 2247 | 412 | -183 | -886 | -918 | -1263 | -2167 | -2467 | -1746 | -1446 | -2654 | -1572 | 2832 | 2112 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2948 | -808 | -106 | -1345 | -1093 | -1600 | -1556 | -2889 | -1516 | -1779 | -2800 | -2469 | 3222 | 2138 |
| 1930 Federal Surplus/Deficit | 1174 | 9.6 | -314 | -813 | -925 | -1141 | -2959 | -1789 | -1612 | -1242 | -2143 | -2536 | 2087 | 2612 |
| 1931 Federal Surplus/Deficit | 1832 | 601 | -618 | -851 | -1030 | -1659 | -2953 | -2902 | -1873 | -1072 | -2987 | -2510 | 2028 | 2234 |
| 1932 Federal Surplus/Deficit | 1542 | 772 | -47 | -1294 | -1244 | -1612 | -2916 | -3121 | -228 | 1923 | 2623 | 3514 | 3776 | 3445 |
| 1933 Federal Surplus/Deficit | 1400 | 1856 | 485 | -942 | -1713 | -618 | 1234 | 292 | -703 | -81 | 694 | 2605 | 3269 | 2905 |
| 1934 Federal Surplus/Deficit | 3063 | 2715 | 812 | 25 | 334 | 3752 | 1057 | 1583 | 2065 | 1844 | 2552 | 3285 | 1618 | 2744 |
| 1935 Federal Surplus/Deficit | 777 | -291 | -579 | -1289 | -1776 | -1525 | 648 | 1604 | -1751 | -445 | 819 | 1968 | 3468 | 3375 |
| 1936 Federal Surplus/Deficit | 2604 | 132 | -96 | -1109 | -1153 | -1297 | -2406 | -2745 | -1624 | -937 | 2082 | 3638 | 3656 | 2277 |
| 1937 Federal Surplus/Deficit | 1829 | 486 | -285 | -941 | -1025 | -1248 | -3022 | -2650 | -1827 | -1545 | -2461 | -1809 | 2168 | 1563 |
| 1938 Federal Surplus/Deficit | 1466 | 24 | -333 | -850 | -1565 | -1141 | 824 | -986 | 1240 | 1291 | 2102 | 3630 | 3877 | 3249 |
| 1939 Federal Surplus/Deficit | 695 | 286 | 475 | -743 | -1176 | -1285 | -749 | -2710 | -883 | -159 | 706 | 2619 | 1707 | 2738 |
| 1940 Federal Surplus/Deficit | 2157 | 512 | -345 | -710 | -1214 | -1018 | -1174 | -1750 | 1344 | 227 | 1995 | 2219 | 2413 | 2124 |
| 1941 Federal Surplus/Deficit | 477 | -621 | -398 | -746 | -1485 | -920 | -885 | -2736 | -1935 | -1300 | -2535 | 274 | 2237 | 1756 |
| 1942 Federal Surplus/Deficit | 585 | 481 | 433 | -1107 | -1644 | 843 | 898 | -1053 | -2577 | -888 | 121 | 2087 | 3805 | 3752 |
| 1943 Federal Surplus/Deficit | 2858 | 1892 | -255 | -957 | -1602 | -1286 | 534 | 934 | 1996 | 2017 | 2557 | 3500 | 3876 | 3501 |
| 1944 Federal Surplus/Deficit | 2976 | 1302 | -159 | -1177 | -1280 | -1334 | -1062 | -2808 | -2523 | -2150 | -3435 | -2495 | 735 | 1599 |
| 1945 Federal Surplus/Deficit | 674 | -58 | -190 | -1172 | -1144 | -1627 | -2843 | -2298 | -2039 | -1894 | -2978 | 2017 | 3861 | 2465 |
| 1946 Federal Surplus/Deficit | 1029 | 490 | -399 | -1303 | -1334 | -1240 | -141 | -628 | 2321 | 1829 | 2759 | 3634 | 3711 | 3653 |
| 1947 Federal Surplus/Deficit | 2916 | 1328 | 553 | -1321 | -1415 | 2322 | 1203 | 1471 | 2482 | 657 | 1344 | 3486 | 3788 | 3685 |
| 1948 Federal Surplus/Deficit | 2241 | -6.4 | 202 | 1682 | -508 | 1287 | 1839 | -533 | 1108 | 332 | 2705 | 3758 | 4271 | 3525 |
| 1949 Federal Surplus/Deficit | 3178 | 3031 | 830 | -700 | -1379 | -1082 | -837 | -1015 | 2632 | 1164 | 2807 | 3632 | 3752 | 1186 |
| 1950 Federal Surplus/Deficit | 679 | -1104 | -740 | -1049 | -1437 | -1490 | -261 | 1893 | 3011 | 2241 | 2470 | 3418 | 3180 | 3250 |
| 1951 Federal Surplus/Deficit | 2804 | 2100 | 540 | 95 | -93 | 3015 | 1541 | 1677 | 2129 | 2269 | 2633 | 3634 | 3795 | 3551 |
| 1952 Federal Surplus/Deficit | 3201 | 2111 | 422 | 1076 | -1336 | 1181 | 964 | 383 | 848 | 2559 | 2898 | 3685 | 3979 | 3196 |
| 1953 Federal Surplus/Deficit | 2240 | -53 | -65 | -1014 | -1048 | -1521 | -1016 | 831 | -939 | -879 | 569 | 3195 | 3756 | 3495 |
| 1954 Federal Surplus/Deficit | 2883 | 1665 | 303 | -785 | -1338 | 122 | -8.1 | 1649 | 1187 | 1483 | 1664 | 3590 | 3272 | 3063 |
| 1955 Federal Surplus/Deficit | 3526 | 3387 | 3093 | -520 | -1010 | 384 | -948 | -2500 | -2220 | -821 | 137 | 1773 | 3253 | 2816 |
| 1956 Federal Surplus/Deficit | 3221 | 3076 | -169 | -320 | -603 | 2828 | 1486 | 633 | 2813 | 2353 | 2159 | 3632 | 3240 | 3471 |
| 1957 Federal Surplus/Deficit | 3147 | 1970 | 347 | -494 | -1437 | -388 | -3.6 | -1607 | 799 | 2095 | 2170 | 3660 | 3558 | 3130 |
| 1958 Federal Surplus/Deficit | 1313 | 100 | -43 | -1029 | -1230 | -1471 | -937 | 479 | 1215 | 438 | 2354 | 3626 | 3809 | 3024 |
| 1959 Federal Surplus/Deficit | 1316 | 819 | 174 | -1081 | -1087 | 1733 | 1509 | 1718 | 1315 | 1442 | 1420 | 3106 | 3512 | 3380 |
| 1960 Federal Surplus/Deficit | 3121 | 1716 | 3147 | 2186 | 605 | 2476 | 1438 | -1532 | 749 | 1810 | 2792 | 2676 | 3738 | 3309 |
| 1961 Federal Surplus/Deficit | 2385 | -358 | 251 | -943 | -1501 | -555 | 220 | 1194 | 1579 | 1652 | 968 | 3351 | 3366 | 3313 |
| 1962 Federal Surplus/Deficit | 1881 | 1244 | -267 | -989 | -1169 | -1362 | -71 | -1358 | -1638 | 2078 | 2565 | 3134 | 3789 | 3555 |
| 1963 Federal Surplus/Deficit | 2468 | 1220 | -93 | -290 | -853 | 1832 | 1039 | -542 | -1317 | -517 | -419 | 3099 | 3941 | 3488 |
| 1964 Federal Surplus/Deficit | 2980 | 1448 | 522 | -1324 | -1277 | -1090 | -339 | -1318 | -2013 | 496 | 1158 | 2523 | 3449 | 3100 |
| 1965 Federal Surplus/Deficit | 3178 | 2732 | 1140 | 347 | -1214 | 2748 | 1485 | 2139 | 2484 | 1348 | 2724 | 3530 | 3864 | 3375 |
| 1966 Federal Surplus/Deficit | 3132 | 2207 | 462 | -408 | -1326 | -91 | 1076 | -1563 | -1854 | 2324 | 1314 | 2219 | 3483 | 3510 |
| 1967 Federal Surplus/Deficit | 3131 | 773 | -193 | -1163 | -1298 | -1010 | 1620 | 2164 | 56 | -15 | -742 | 2713 | 3307 | 3438 |
| 1968 Federal Surplus/Deficit | 3253 | 1399 | 543 | -781 | -1469 | -803 | 455 | 1001 | 932 | -2019 | -1075 | 2049 | 3612 | 3684 |
| 1969 Federal Surplus/Deficit | 3247 | 2376 | 1765 | 300 | -480 | 1291 | 1668 | 1647 | 405 | 2307 | 2542 | 3650 | 3671 | 3650 |
| 1970 Federal Surplus/Deficit | 2460 | 543 | 118 | -837 | -1130 | -1158 | 31 | -132 | -486 | -1021 | -4.0 | 2982 | 3847 | 3244 |
| 1971 Federal Surplus/Deficit | 1114 | -235 | -391 | -1104 | -870 | -1330 | 1187 | 1699 | 1984 | 2068 | 2806 | 3677 | 3459 | 3372 |
| 1972 Federal Surplus/Deficit | 3561 | 3157 | 796 | -583 | -1342 | -308 | 1529 | 2181 | 2351 | 1401 | 1977 | 3644 | 3739 | 3071 |
| 1973 Federal Surplus/Deficit | 3550 | 3277 | 1434 | -491 | -1363 | 85 | 772 | -2506 | -2090 | -2262 | -2619 | 51 | 2059 | 2208 |
| 1974 Federal Surplus/Deficit | 1273 | -665 | -925 | -1211 | -1710 | 1388 | 1171 | 1637 | 3004 | 2178 | 2494 | 3356 | 3702 | 2746 |
| 1975 Federal Surplus/Deficit | 3464 | 3207 | 638 | -1334 | -1235 | -1187 | 574 | 5.3 | 1817 | -228 | 796 | 3191 | 3726 | 3257 |
| 1976 Federal Surplus/Deficit | 1799 | 1418 | 586 | 318 | -125 | 3606 | 1467 | 1662 | 1309 | 2440 | 2727 | 3659 | 3796 | 3260 |
| 1977 Federal Surplus/Deficit | 3377 | 3355 | 3834 | -675 | -1295 | -1315 | -886 | -2957 | -2945 | -2396 | -3581 | -1984 | 401 | 939 |
| 1978 Federal Surplus/Deficit | 962 | 349 | -626 | -1506 | -1687 | -1154 | 44 | -145 | 1504 | 1948 | 830 | 2819 | 3540 | 3681 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2830 | 2068 | 1435 | 649 | -261 | 2627 | 1520 | 1119 | 1415 | 2035 | 2684 | 3430 | 3773 | 3429 |
| Middle Eighty Percent | 2204 | 1136 | 264 | -785 | -1252 | -328 | 137 | -271 | 309 | 554 | 1066 | 2809 | 3352 | 3045 |
| Bottom Ten Percent | 2152 | 318 | -296 | -1026 | -1071 | -1396 | -2310 | -2608 | -1870 | -1558 | -2765 | -2364 | 2048 | 2029 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2867 | -888 | -186 | -1470 | -1230 | -1740 | -1708 | -3033 | -1647 | -1899 | -2919 | -1811 | 3886 | 2091 |
| 1930 Federal Surplus/Deficit | 1094 | -70 | -394 | -938 | -1061 | -1281 | -3111 | -1933 | -1744 | -1362 | -2262 | -1878 | 2751 | 2565 |
| 1931 Federal Surplus/Deficit | 1752 | 522 | -698 | -976 | -1167 | -1799 | -3105 | -3046 | -2004 | -1192 | -3107 | -1852 | 2692 | 2187 |
| 1932 Federal Surplus/Deficit | 1461 | 692 | -127 | -1418 | -1381 | -1752 | -3068 | -3265 | -359 | 1803 | 2504 | 4172 | 4441 | 3399 |
| 1933 Federal Surplus/Deficit | 1320 | 1776 | 405 | -1067 | -1850 | -758 | 1082 | 149 | -835 | -201 | 574 | 3262 | 3933 | 2859 |
| 1934 Federal Surplus/Deficit | 2982 | 2635 | 732 | -100 | 198 | 3611 | 905 | 1439 | 1934 | 1724 | 2432 | 3943 | 2282 | 2697 |
| 1935 Federal Surplus/Deficit | 697 | -371 | -659 | -1414 | -1913 | -1665 | 496 | 1460 | -1882 | -564 | 700 | 2626 | 4132 | 3328 |
| 1936 Federal Surplus/Deficit | 2524 | 53 | -176 | -1234 | -1290 | -1437 | -2558 | -2889 | -1755 | -1057 | 1963 | 4296 | 4320 | 2231 |
| 1937 Federal Surplus/Deficit | 1748 | 406 | -364 | -1066 | -1161 | -1388 | -3174 | -2794 | -1958 | -1665 | -2581 | -1152 | 2832 | 1516 |
| 1938 Federal Surplus/Deficit | 1385 | -56 | -413 | -974 | -1701 | -1281 | 671 | -1130 | 1109 | 1171 | 1983 | 4288 | 4541 | 3202 |
| 1939 Federal Surplus/Deficit | 615 | 206 | 395 | -868 | -1313 | -1426 | -901 | -2854 | -1014 | -279 | 587 | 3277 | 2371 | 2691 |
| 1940 Federal Surplus/Deficit | 2076 | 432 | -425 | -835 | -1351 | -1159 | -1326 | -1894 | 1213 | 107 | 1875 | 2876 | 3077 | 2077 |
| 1941 Federal Surplus/Deficit | 397 | -701 | -477 | -870 | -1621 | -1061 | -1037 | -2879 | -2066 | -1420 | -2654 | 932 | 2901 | 1710 |
| 1942 Federal Surplus/Deficit | 504 | 401 | 354 | -1232 | -1780 | 702 | 746 | -1197 | -2708 | -1008 | 1.2 | 2744 | 4469 | 3706 |
| 1943 Federal Surplus/Deficit | 2777 | 1812 | -335 | -1082 | -1738 | -1426 | 382 | 790 | 1865 | 1897 | 2437 | 4158 | 4540 | 3454 |
| 1944 Federal Surplus/Deficit | 2896 | 1222 | -239 | -1302 | -1417 | -1474 | -1214 | -2951 | -2654 | -2270 | -3555 | -1837 | 1399 | 1552 |
| 1945 Federal Surplus/Deficit | 594 | -138 | -270 | -1297 | -1280 | -1768 | -2995 | -2442 | -2170 | -2014 | -3098 | 2674 | 4525 | 2419 |
| 1946 Federal Surplus/Deficit | 948 | 410 | -479 | -1427 | -1471 | -1380 | -293 | -771 | 2189 | 1709 | 2639 | 4292 | 4375 | 3607 |
| 1947 Federal Surplus/Deficit | 2836 | 1248 | 474 | -1446 | -1552 | 2182 | 1050 | 1327 | 2351 | 537 | 1225 | 4144 | 4452 | 3639 |
| 1948 Federal Surplus/Deficit | 2160 | -86 | 122 | 1557 | -645 | 1147 | 1687 | -677 | 977 | 212 | 2585 | 4416 | 4935 | 3479 |
| 1949 Federal Surplus/Deficit | 3098 | 2952 | 750 | -825 | -1516 | -1222 | -990 | -1158 | 2501 | 1044 | 2687 | 4290 | 4416 | 1140 |
| 1950 Federal Surplus/Deficit | 598 | -1184 | -819 | -1174 | -1574 | -1630 | -413 | 1750 | 2880 | 2121 | 2350 | 4075 | 3844 | 3203 |
| 1951 Federal Surplus/Deficit | 2723 | 2020 | 460 | -30 | -229 | 2875 | 1389 | 1533 | 1998 | 2149 | 2514 | 4292 | 4459 | 3505 |
| 1952 Federal Surplus/Deficit | 3121 | 2031 | 342 | 951 | -1472 | 1041 | 812 | 239 | 717 | 2439 | 2779 | 4342 | 4643 | 3150 |
| 1953 Federal Surplus/Deficit | 2159 | -133 | -145 | -1139 | -1185 | -1661 | -1169 | 687 | -1070 | -999 | 449 | 3852 | 4420 | 3448 |
| 1954 Federal Surplus/Deficit | 2802 | 1585 | 223 | -910 | -1474 | -19 | -160 | 1505 | 1056 | 1363 | 1545 | 4248 | 3936 | 3016 |
| 1955 Federal Surplus/Deficit | 3446 | 3308 | 3013 | -645 | -1147 | 244 | -1100 | -2644 | -2351 | -941 | 17 | 2431 | 3917 | 2769 |
| 1956 Federal Surplus/Deficit | 3141 | 2996 | -249 | -445 | -739 | 2687 | 1334 | 490 | 2681 | 2233 | 2039 | 4290 | 3904 | 3424 |
| 1957 Federal Surplus/Deficit | 3066 | 1890 | 267 | -619 | -1573 | -528 | -156 | -1751 | 668 | 1975 | 2050 | 4318 | 4222 | 3084 |
| 1958 Federal Surplus/Deficit | 1232 | 20 | -123 | -1153 | -1367 | -1612 | -1089 | 335 | 1084 | 318 | 2234 | 4283 | 4473 | 2977 |
| 1959 Federal Surplus/Deficit | 1235 | 739 | 94 | -1206 | -1224 | 1593 | 1357 | 1574 | 1184 | 1322 | 1301 | 3763 | 4176 | 3334 |
| 1960 Federal Surplus/Deficit | 3040 | 1636 | 3068 | 2061 | 469 | 2336 | 1286 | -1675 | 617 | 1690 | 2673 | 3334 | 4402 | 3262 |
| 1961 Federal Surplus/Deficit | 2304 | -438 | 171 | -1068 | -1638 | -695 | 68 | 1050 | 1448 | 1532 | 848 | 4008 | 4030 | 3267 |
| 1962 Federal Surplus/Deficit | 1801 | 1164 | -346 | -1113 | -1306 | -1502 | -223 | -1501 | -1769 | 1958 | 2446 | 3792 | 4453 | 3508 |
| 1963 Federal Surplus/Deficit | 2387 | 1140 | -173 | -415 | -990 | 1692 | 887 | -685 | -1448 | -637 | -539 | 3757 | 4605 | 3441 |
| 1964 Federal Surplus/Deficit | 2900 | 1368 | 442 | -1448 | -1413 | -1230 | -491 | -1462 | -2144 | 376 | 1039 | 3180 | 4113 | 3054 |
| 1965 Federal Surplus/Deficit | 3098 | 2652 | 1060 | 222 | -1351 | 2608 | 1333 | 1995 | 2352 | 1228 | 2604 | 4187 | 4528 | 3328 |
| 1966 Federal Surplus/Deficit | 3051 | 2128 | 382 | -533 | -1463 | -231 | 924 | -1707 | -1985 | 2204 | 1194 | 2876 | 4147 | 3464 |
| 1967 Federal Surplus/Deficit | 3051 | 693 | -273 | -1287 | -1434 | -1150 | 1468 | 2020 | -75 | -135 | -862 | 3371 | 3971 | 3392 |
| 1968 Federal Surplus/Deficit | 3173 | 1319 | 464 | -906 | -1606 | -944 | 303 | 858 | 800 | -2139 | -1195 | 2706 | 4276 | 3638 |
| 1969 Federal Surplus/Deficit | 3167 | 2296 | 1685 | 175 | -616 | 1151 | 1516 | 1503 | 274 | 2187 | 2423 | 4308 | 4335 | 3604 |
| 1970 Federal Surplus/Deficit | 2379 | 463 | 38 | -962 | -1266 | -1299 | -121 | -276 | -618 | -1141 | -124 | 3639 | 4511 | 3198 |
| 1971 Federal Surplus/Deficit | 1033 | -315 | -470 | -1229 | -1006 | -1470 | 1035 | 1555 | 1853 | 1948 | 2686 | 4335 | 4123 | 3326 |
| 1972 Federal Surplus/Deficit | 3480 | 3077 | 716 | -708 | -1478 | -448 | 1377 | 2037 | 2220 | 1281 | 1857 | 4302 | 4403 | 3024 |
| 1973 Federal Surplus/Deficit | 3469 | 3197 | 1354 | -616 | -1500 | -55 | 620 | -2650 | -2221 | -2382 | -2739 | 708 | 2723 | 2162 |
| 1974 Federal Surplus/Deficit | 1192 | -745 | -1004 | -1336 | -1847 | 1248 | 1019 | 1493 | 2873 | 2058 | 2374 | 4014 | 4366 | 2699 |
| 1975 Federal Surplus/Deficit | 3383 | 3127 | 558 | -1459 | -1371 | -1327 | 422 | -138 | 1686 | -348 | 676 | 3849 | 4390 | 3211 |
| 1976 Federal Surplus/Deficit | 1718 | 1339 | 506 | 193 | -261 | 3466 | 1314 | 1518 | 1177 | 2320 | 2607 | 4317 | 4460 | 3213 |
| 1977 Federal Surplus/Deficit | 3296 | 3275 | 3754 | -800 | -1432 | -1455 | -1039 | -3101 | -3076 | -2516 | -3700 | -1326 | 1065 | 892 |
| 1978 Federal Surplus/Deficit | 882 | 269 | -706 | -1631 | -1823 | -1294 | -108 | -289 | 1373 | 1828 | 710 | 3477 | 4204 | 3635 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2749 | 1989 | 1356 | 524 | -398 | 2487 | 1368 | 975 | 1284 | 1915 | 2564 | 4088 | 4437 | 3383 |
| Middle Eighty Percent | 2124 | 1056 | 185 | -910 | -1388 | -468 | -15 | -415 | 178 | 434 | 947 | 3467 | 4016 | 2999 |
| Bottom Ten Percent | 2071 | 238 | -376 | -1150 | -1207 | -1536 | -2462 | -2751 | -2001 | -1678 | -2885 | -1706 | 2712 | 1982 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| <i>1929 Federal Surplus/Deficit</i> | 2825 | -930 | -227 | -1525 | -1343 | -1857 | -1815 | -3142 | -1738 | -1975 | -2996 | -2599 | 3103 | 2021 |
| <i>1930 Federal Surplus/Deficit</i> | 1051 | -112 | -435 | -994 | -1174 | -1398 | -3218 | -2042 | -1834 | -1439 | -2339 | -2666 | 1968 | 2495 |
| <i>1931 Federal Surplus/Deficit</i> | 1709 | 479 | -738 | -1032 | -1280 | -1916 | -3213 | -3155 | -2094 | -1268 | -3183 | -2640 | 1909 | 2117 |
| <i>1932 Federal Surplus/Deficit</i> | 1419 | 650 | -168 | -1474 | -1494 | -1869 | -3175 | -3374 | -450 | 1727 | 2427 | 3384 | 3658 | 3329 |
| <i>1933 Federal Surplus/Deficit</i> | 1277 | 1734 | 365 | -1122 | -1963 | -875 | 975 | 39 | -925 | -278 | 498 | 2474 | 3150 | 2789 |
| <i>1934 Federal Surplus/Deficit</i> | 2939 | 2593 | 691 | -155 | 85 | 3494 | 798 | 1330 | 1844 | 1648 | 2356 | 3155 | 1499 | 2627 |
| <i>1935 Federal Surplus/Deficit</i> | 654 | -413 | -699 | -1470 | -2026 | -1782 | 389 | 1351 | -1973 | -641 | 624 | 1838 | 3350 | 3258 |
| <i>1936 Federal Surplus/Deficit</i> | 2481 | 10 | -216 | -1290 | -1403 | -1554 | -2665 | -2998 | -1846 | -1134 | 1887 | 3508 | 3537 | 2161 |
| <i>1937 Federal Surplus/Deficit</i> | 1705 | 364 | -405 | -1122 | -1274 | -1505 | -3281 | -2903 | -2048 | -1742 | -2657 | -1940 | 2049 | 1446 |
| <i>1938 Federal Surplus/Deficit</i> | 1343 | -98 | -454 | -1030 | -1814 | -1398 | 564 | -1239 | 1018 | 1094 | 1906 | 3500 | 3758 | 3132 |
| <i>1939 Federal Surplus/Deficit</i> | 572 | 164 | 354 | -924 | -1426 | -1543 | -1008 | -2963 | -1105 | -355 | 511 | 2489 | 1588 | 2621 |
| <i>1940 Federal Surplus/Deficit</i> | 2033 | 390 | -465 | -891 | -1464 | -1276 | -1433 | -2003 | 1122 | 30 | 1799 | 2088 | 2295 | 2007 |
| <i>1941 Federal Surplus/Deficit</i> | 354 | -743 | -518 | -926 | -1734 | -1178 | -1145 | -2988 | -2156 | -1496 | -2731 | 144 | 2119 | 1640 |
| <i>1942 Federal Surplus/Deficit</i> | 461 | 359 | 313 | -1288 | -1893 | 585 | 639 | -1306 | -2799 | -1085 | -75 | 1956 | 3686 | 3636 |
| <i>1943 Federal Surplus/Deficit</i> | 2735 | 1770 | -376 | -1138 | -1851 | -1543 | 274 | 681 | 1775 | 1821 | 2361 | 3370 | 3758 | 3384 |
| <i>1944 Federal Surplus/Deficit</i> | 2853 | 1180 | -280 | -1358 | -1530 | -1591 | -1322 | -3060 | -2745 | -2347 | -3631 | -2625 | 617 | 1482 |
| <i>1945 Federal Surplus/Deficit</i> | 551 | -180 | -311 | -1352 | -1393 | -1885 | -3102 | -2551 | -2261 | -2091 | -3174 | 1886 | 3742 | 2349 |
| <i>1946 Federal Surplus/Deficit</i> | 905 | 368 | -519 | -1483 | -1584 | -1497 | -400 | -881 | 2099 | 1633 | 2563 | 3504 | 3592 | 3537 |
| <i>1947 Federal Surplus/Deficit</i> | 2793 | 1206 | 433 | -1502 | -1665 | 2065 | 943 | 1218 | 2261 | 461 | 1149 | 3356 | 3669 | 3569 |
| <i>1948 Federal Surplus/Deficit</i> | 2117 | -128 | 81 | 1502 | -758 | 1030 | 1580 | -786 | 886 | 135 | 2509 | 3628 | 4152 | 3409 |
| <i>1949 Federal Surplus/Deficit</i> | 3055 | 2909 | 709 | -880 | -1629 | -1339 | -1097 | -1268 | 2411 | 968 | 2611 | 3502 | 3634 | 1070 |
| <i>1950 Federal Surplus/Deficit</i> | 555 | -1226 | -860 | -1230 | -1687 | -1747 | -520 | 1640 | 2790 | 2044 | 2274 | 3287 | 3061 | 3133 |
| <i>1951 Federal Surplus/Deficit</i> | 2680 | 1978 | 419 | -86 | -342 | 2758 | 1281 | 1424 | 1908 | 2073 | 2438 | 3504 | 3676 | 3435 |
| <i>1952 Federal Surplus/Deficit</i> | 3078 | 1989 | 302 | 895 | -1585 | 923 | 704 | 130 | 627 | 2362 | 2702 | 3554 | 3861 | 3080 |
| <i>1953 Federal Surplus/Deficit</i> | 2116 | -175 | -186 | -1195 | -1298 | -1778 | -1276 | 578 | -1161 | -1075 | 373 | 3064 | 3638 | 3378 |
| <i>1954 Federal Surplus/Deficit</i> | 2760 | 1543 | 182 | -966 | -1587 | -136 | -268 | 1396 | 965 | 1286 | 1469 | 3460 | 3153 | 2946 |
| <i>1955 Federal Surplus/Deficit</i> | 3403 | 3265 | 2972 | -700 | -1260 | 127 | -1207 | -2753 | -2441 | -1017 | -59 | 1643 | 3135 | 2699 |
| <i>1956 Federal Surplus/Deficit</i> | 3098 | 2954 | -289 | -500 | -852 | 2570 | 1226 | 381 | 2591 | 2157 | 1963 | 3502 | 3121 | 3354 |
| <i>1957 Federal Surplus/Deficit</i> | 3023 | 1848 | 226 | -675 | -1686 | -645 | -263 | -1860 | 577 | 1899 | 1974 | 3530 | 3439 | 3014 |
| <i>1958 Federal Surplus/Deficit</i> | 1189 | -22 | -164 | -1209 | -1480 | -1729 | -1196 | 226 | 993 | 242 | 2158 | 3495 | 3690 | 2907 |
| <i>1959 Federal Surplus/Deficit</i> | 1192 | 697 | 54 | -1262 | -1337 | 1476 | 1249 | 1465 | 1094 | 1246 | 1225 | 2975 | 3394 | 3264 |
| <i>1960 Federal Surplus/Deficit</i> | 2997 | 1594 | 3027 | 2005 | 356 | 2219 | 1178 | -1785 | 527 | 1613 | 2597 | 2546 | 3620 | 3192 |
| <i>1961 Federal Surplus/Deficit</i> | 2262 | -480 | 130 | -1123 | -1751 | -813 | -40 | 941 | 1357 | 1455 | 772 | 3220 | 3247 | 3197 |
| <i>1962 Federal Surplus/Deficit</i> | 1758 | 1122 | -387 | -1169 | -1419 | -1619 | -331 | -1611 | -1860 | 1882 | 2370 | 3004 | 3670 | 3438 |
| <i>1963 Federal Surplus/Deficit</i> | 2344 | 1098 | -214 | -470 | -1103 | 1575 | 779 | -795 | -1538 | -713 | -615 | 2969 | 3822 | 3371 |
| <i>1964 Federal Surplus/Deficit</i> | 2857 | 1326 | 401 | -1504 | -1526 | -1347 | -599 | -1571 | -2234 | 300 | 962 | 2392 | 3330 | 2984 |
| <i>1965 Federal Surplus/Deficit</i> | 3055 | 2610 | 1019 | 166 | -1464 | 2491 | 1226 | 1886 | 2262 | 1152 | 2528 | 3399 | 3745 | 3258 |
| <i>1966 Federal Surplus/Deficit</i> | 3009 | 2085 | 341 | -588 | -1576 | -348 | 817 | -1816 | -2075 | 2128 | 1118 | 2088 | 3365 | 3394 |
| <i>1967 Federal Surplus/Deficit</i> | 3008 | 651 | -314 | -1343 | -1547 | -1267 | 1360 | 1911 | -166 | -212 | -938 | 2583 | 3189 | 3322 |
| <i>1968 Federal Surplus/Deficit</i> | 3130 | 1277 | 423 | -962 | -1719 | -1061 | 195 | 748 | 710 | -2215 | -1271 | 1918 | 3493 | 3568 |
| <i>1969 Federal Surplus/Deficit</i> | 3124 | 2254 | 1644 | 120 | -730 | 1034 | 1408 | 1394 | 183 | 2110 | 2346 | 3520 | 3553 | 3534 |
| <i>1970 Federal Surplus/Deficit</i> | 2337 | 421 | -2.8 | -1018 | -1379 | -1416 | -229 | -385 | -708 | -1218 | -200 | 2851 | 3729 | 3128 |
| <i>1971 Federal Surplus/Deficit</i> | 991 | -357 | -511 | -1284 | -1119 | -1587 | 927 | 1446 | 1762 | 1871 | 2610 | 3547 | 3340 | 3256 |
| <i>1972 Federal Surplus/Deficit</i> | 3437 | 3035 | 675 | -763 | -1591 | -565 | 1269 | 1928 | 2130 | 1205 | 1781 | 3514 | 3620 | 2954 |
| <i>1973 Federal Surplus/Deficit</i> | 3426 | 3155 | 1313 | -672 | -1613 | -172 | 512 | -2759 | -2311 | -2459 | -2815 | -80 | 1940 | 2092 |
| <i>1974 Federal Surplus/Deficit</i> | 1149 | -787 | -1045 | -1391 | -1960 | 1130 | 912 | 1384 | 2783 | 1981 | 2298 | 3226 | 3583 | 2629 |
| <i>1975 Federal Surplus/Deficit</i> | 3340 | 3085 | 517 | -1515 | -1484 | -1444 | 315 | -248 | 1596 | -425 | 600 | 3061 | 3608 | 3141 |
| <i>1976 Federal Surplus/Deficit</i> | 1675 | 1296 | 465 | 137 | -375 | 3349 | 1207 | 1409 | 1087 | 2243 | 2531 | 3529 | 3677 | 3143 |
| <i>1977 Federal Surplus/Deficit</i> | 3253 | 3233 | 3713 | -855 | -1545 | -1572 | -1146 | -3210 | -3167 | -2592 | -3777 | -2114 | 282 | 822 |
| <i>1978 Federal Surplus/Deficit</i> | 839 | 227 | -747 | -1687 | -1937 | -1411 | -216 | -398 | 1283 | 1752 | 634 | 2689 | 3421 | 3565 |
| <i>-Ranked Averages-</i> | | | | | | | | | | | | | | |
| Top Ten Percent | 2706 | 1946 | 1315 | 468 | -511 | 2370 | 1260 | 866 | 1193 | 1838 | 2488 | 3300 | 3654 | 3313 |
| Middle Eighty Percent | 2081 | 1014 | 144 | -965 | -1501 | -585 | -122 | -524 | 87 | 358 | 871 | 2679 | 3233 | 2929 |
| Bottom Ten Percent | 2028 | 196 | -417 | -1206 | -1320 | -1654 | -2570 | -2861 | -2092 | -1754 | -2961 | -2494 | 1929 | 1912 |

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Section 12
Monthly Regional 50-Water Year
Surplus/Deficit
1-Hour Capacity in Megawatts

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Monthly Regional 50-Water Year
Surplus/Deficit
1-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|-------|------|------|------|------|------|------|------|-------|------|-------|------|
| 1929 Regional Surplus/Deficit | 8069 | 2877 | 6189 | 4705 | 3788 | 2115 | 1679 | 741 | 1675 | 3080 | 1682 | 567 | 9870 | 7144 |
| 1930 Regional Surplus/Deficit | 5541 | 3415 | 5740 | 5038 | 3800 | 2506 | -164 | 1829 | 1485 | 3636 | 2152 | 298 | 7991 | 7384 |
| 1931 Regional Surplus/Deficit | 6154 | 4307 | 5196 | 4977 | 3638 | 1682 | -51 | 532 | 1035 | 4074 | 1389 | -133 | 7245 | 6671 |
| 1932 Regional Surplus/Deficit | 4819 | 3909 | 5524 | 4277 | 3227 | 1815 | -25 | 142 | 3251 | 8050 | 8734 | 8487 | 10837 | 9260 |
| 1933 Regional Surplus/Deficit | 5831 | 6453 | 6859 | 5044 | 3101 | 3289 | 5399 | 4727 | 2858 | 5443 | 6025 | 6862 | 10001 | 8675 |
| 1934 Regional Surplus/Deficit | 8312 | 7791 | 7408 | 6408 | 5759 | 9220 | 5388 | 6681 | 6699 | 8042 | 8456 | 7701 | 7363 | 7763 |
| 1935 Regional Surplus/Deficit | 5019 | 3530 | 4950 | 4456 | 3081 | 2028 | 4628 | 6456 | 1506 | 5040 | 6325 | 6261 | 10197 | 9143 |
| 1936 Regional Surplus/Deficit | 7511 | 4025 | 6166 | 4828 | 3649 | 2209 | 359 | 802 | 1269 | 4119 | 7970 | 8712 | 10639 | 7366 |
| 1937 Regional Surplus/Deficit | 6458 | 4453 | 5976 | 4904 | 3783 | 2287 | -319 | 708 | 999 | 3453 | 1960 | 940 | 8383 | 6325 |
| 1938 Regional Surplus/Deficit | 5981 | 3975 | 5754 | 5178 | 3283 | 2703 | 4925 | 3151 | 5415 | 7230 | 8040 | 8657 | 10980 | 9077 |
| 1939 Regional Surplus/Deficit | 5209 | 3797 | 6360 | 5256 | 3628 | 2457 | 2909 | 999 | 2684 | 5221 | 5958 | 7732 | 7734 | 7906 |
| 1940 Regional Surplus/Deficit | 6840 | 4545 | 5725 | 5281 | 3566 | 2624 | 2360 | 2321 | 5613 | 5767 | 7588 | 6612 | 8634 | 7174 |
| 1941 Regional Surplus/Deficit | 4878 | 2881 | 4975 | 4856 | 3019 | 2708 | 2626 | 1018 | 989 | 3366 | 1468 | 3403 | 7685 | 6101 |
| 1942 Regional Surplus/Deficit | 4353 | 3037 | 6249 | 4426 | 2742 | 5151 | 4876 | 3107 | 313 | 4211 | 5164 | 6345 | 11039 | 9799 |
| 1943 Regional Surplus/Deficit | 7896 | 6491 | 5989 | 4987 | 3209 | 2547 | 4439 | 5716 | 6492 | 8619 | 8801 | 8466 | 10985 | 9629 |
| 1944 Regional Surplus/Deficit | 8153 | 5675 | 6156 | 4864 | 3696 | 2377 | 1943 | 843 | 208 | 2877 | 747 | 106 | 5441 | 5387 |
| 1945 Regional Surplus/Deficit | 3974 | 2473 | 4928 | 4012 | 3366 | 1817 | 1.6 | 1123 | 796 | 2949 | 1459 | 6307 | 10573 | 7789 |
| 1946 Regional Surplus/Deficit | 5431 | 3778 | 5467 | 4641 | 3545 | 2611 | 3815 | 3731 | 6847 | 8073 | 8916 | 8787 | 10826 | 9712 |
| 1947 Regional Surplus/Deficit | 8142 | 5752 | 7101 | 4806 | 3476 | 7213 | 5476 | 6580 | 7082 | 6511 | 6902 | 8561 | 10850 | 9649 |
| 1948 Regional Surplus/Deficit | 7048 | 3711 | 6632 | 8756 | 4728 | 5786 | 6330 | 3874 | 5265 | 6166 | 8871 | 8987 | 10825 | 9535 |
| 1949 Regional Surplus/Deficit | 8577 | 8315 | 7430 | 5534 | 3484 | 2728 | 2622 | 3244 | 7288 | 7075 | 8980 | 8874 | 10879 | 6019 |
| 1950 Regional Surplus/Deficit | 5243 | 3010 | 4967 | 4937 | 3417 | 2166 | 3524 | 6997 | 7827 | 8712 | 8562 | 8049 | 9925 | 9323 |
| 1951 Regional Surplus/Deficit | 7998 | 6893 | 7128 | 6694 | 5552 | 8206 | 6076 | 7049 | 6790 | 8784 | 8689 | 8531 | 10840 | 9636 |
| 1952 Regional Surplus/Deficit | 8553 | 6916 | 6930 | 7990 | 3728 | 5668 | 5214 | 5168 | 4948 | 9192 | 9198 | 8771 | 11280 | 8997 |
| 1953 Regional Surplus/Deficit | 7194 | 3818 | 6262 | 4836 | 3843 | 2028 | 2704 | 5784 | 2731 | 4614 | 5986 | 8160 | 10836 | 9720 |
| 1954 Regional Surplus/Deficit | 8136 | 6289 | 6767 | 5372 | 3514 | 4353 | 3904 | 6705 | 5302 | 7708 | 7547 | 8456 | 9839 | 8973 |
| 1955 Regional Surplus/Deficit | 9265 | 9021 | 10377 | 5724 | 3912 | 4608 | 2536 | 1334 | 525 | 4566 | 5147 | 5738 | 9884 | 8405 |
| 1956 Regional Surplus/Deficit | 8490 | 8320 | 6210 | 6094 | 4613 | 7914 | 5968 | 5355 | 7441 | 8756 | 7945 | 8699 | 10027 | 9677 |
| 1957 Regional Surplus/Deficit | 8592 | 6793 | 6865 | 5823 | 3452 | 3682 | 3910 | 2617 | 4920 | 8420 | 7966 | 9039 | 10498 | 8669 |
| 1958 Regional Surplus/Deficit | 5914 | 3991 | 6270 | 5023 | 3598 | 2285 | 2604 | 5177 | 5381 | 6234 | 8510 | 8699 | 10923 | 8609 |
| 1959 Regional Surplus/Deficit | 5854 | 4972 | 6519 | 4936 | 3862 | 6316 | 5928 | 6785 | 5490 | 7826 | 6969 | 7807 | 10376 | 9259 |
| 1960 Regional Surplus/Deficit | 8377 | 6225 | 10422 | 9360 | 6188 | 7275 | 5634 | 2592 | 4873 | 8321 | 8920 | 7232 | 10739 | 9056 |
| 1961 Regional Surplus/Deficit | 7179 | 3233 | 6640 | 5099 | 3331 | 3259 | 4080 | 6067 | 5853 | 7812 | 6378 | 7962 | 9730 | 8879 |
| 1962 Regional Surplus/Deficit | 6521 | 5553 | 5913 | 5068 | 3720 | 2193 | 3645 | 2698 | 1195 | 8693 | 8583 | 7989 | 10763 | 9384 |
| 1963 Regional Surplus/Deficit | 7396 | 5464 | 6213 | 6042 | 4190 | 6521 | 5225 | 3967 | 1938 | 5058 | 4725 | 8325 | 11081 | 9349 |
| 1964 Regional Surplus/Deficit | 8060 | 5778 | 6965 | 4737 | 3625 | 2711 | 3392 | 2668 | 1184 | 6507 | 6627 | 6856 | 10398 | 8953 |
| 1965 Regional Surplus/Deficit | 8506 | 7785 | 7905 | 6822 | 3708 | 7761 | 5970 | 7483 | 7177 | 7494 | 9162 | 8483 | 11036 | 9259 |
| 1966 Regional Surplus/Deficit | 8433 | 7035 | 6919 | 5955 | 3547 | 3992 | 5341 | 2458 | 1528 | 8891 | 6968 | 6545 | 10203 | 9345 |
| 1967 Regional Surplus/Deficit | 8339 | 4907 | 6005 | 4880 | 3590 | 2768 | 5977 | 7358 | 3966 | 5723 | 4017 | 7265 | 10169 | 9431 |
| 1968 Regional Surplus/Deficit | 8575 | 5782 | 7040 | 5400 | 3383 | 3092 | 4560 | 5997 | 5210 | 2964 | 3573 | 6333 | 10599 | 9725 |
| 1969 Regional Surplus/Deficit | 8527 | 7402 | 8682 | 6965 | 4811 | 5818 | 6111 | 6738 | 4394 | 8800 | 8611 | 8768 | 10695 | 9584 |
| 1970 Regional Surplus/Deficit | 7407 | 4533 | 6519 | 5331 | 3790 | 2586 | 4017 | 4459 | 3318 | 4260 | 4874 | 7899 | 11094 | 9093 |
| 1971 Regional Surplus/Deficit | 5570 | 2883 | 5850 | 4968 | 4185 | 2453 | 5443 | 6868 | 6519 | 8299 | 8780 | 8669 | 10406 | 9522 |
| 1972 Regional Surplus/Deficit | 9196 | 8609 | 7471 | 5742 | 3802 | 3842 | 5988 | 7458 | 7058 | 7591 | 7786 | 8497 | 10340 | 8923 |
| 1973 Regional Surplus/Deficit | 9150 | 8673 | 8246 | 5720 | 3688 | 4359 | 5014 | 1251 | 1151 | 2478 | 2015 | 3245 | 7319 | 6665 |
| 1974 Regional Surplus/Deficit | 5188 | 2432 | 4386 | 4497 | 3046 | 5995 | 5628 | 6964 | 7882 | 8408 | 8382 | 7706 | 10419 | 8545 |
| 1975 Regional Surplus/Deficit | 8998 | 8645 | 7250 | 4700 | 3701 | 2697 | 4782 | 4472 | 6358 | 5454 | 6191 | 8095 | 10826 | 9317 |
| 1976 Regional Surplus/Deficit | 6522 | 5958 | 7156 | 6936 | 5330 | 9016 | 6061 | 6780 | 5736 | 9128 | 8821 | 8736 | 10979 | 9206 |
| 1977 Regional Surplus/Deficit | 9034 | 9060 | 11308 | 5463 | 3633 | 2316 | 2293 | 687 | -145 | 2409 | 488 | 468 | 5296 | 4724 |
| 1978 Regional Surplus/Deficit | 4061 | 2966 | 4636 | 3688 | 2761 | 2678 | 3978 | 4291 | 5837 | 7946 | 6512 | 7969 | 10447 | 9824 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 7986 | 6853 | 8259 | 7355 | 5118 | 7615 | 5970 | 6128 | 5794 | 8505 | 8841 | 8350 | 10858 | 9348 |
| Middle Eighty Percent | 7084 | 5329 | 6531 | 5266 | 3639 | 3670 | 4021 | 4175 | 4212 | 6353 | 6590 | 7379 | 10123 | 8724 |
| Bottom Ten Percent | 6237 | 4146 | 5609 | 4928 | 3587 | 2312 | 807 | 986 | 943 | 3481 | 1543 | 923 | 7349 | 6373 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|-------|------|------|------|------|------|------|------|-------|------|-------|------|
| 1929 Regional Surplus/Deficit | 7913 | 2828 | 5989 | 4258 | 3482 | 1417 | 1212 | 296 | 1330 | 2247 | 479 | -95 | 8981 | 6925 |
| 1930 Regional Surplus/Deficit | 5412 | 3488 | 5540 | 4617 | 3495 | 1829 | -648 | 1386 | 1141 | 2800 | 943 | -363 | 7178 | 7085 |
| 1931 Regional Surplus/Deficit | 6016 | 4373 | 4996 | 4556 | 3333 | 984 | -535 | 87 | 690 | 3236 | 187 | -794 | 6397 | 6298 |
| 1932 Regional Surplus/Deficit | 4683 | 3968 | 5324 | 3857 | 2921 | 1117 | -509 | -329 | 2904 | 7194 | 7440 | 7857 | 9803 | 8859 |
| 1933 Regional Surplus/Deficit | 5702 | 6498 | 6659 | 4623 | 2771 | 2614 | 4939 | 4294 | 2514 | 4602 | 4798 | 6270 | 8980 | 8130 |
| 1934 Regional Surplus/Deficit | 8154 | 7808 | 7207 | 5986 | 5452 | 8522 | 4935 | 6255 | 6356 | 7144 | 7160 | 7075 | 6479 | 7367 |
| 1935 Regional Surplus/Deficit | 4896 | 3611 | 4750 | 4035 | 2750 | 1330 | 4166 | 6025 | 1161 | 4200 | 5099 | 5687 | 9273 | 8735 |
| 1936 Regional Surplus/Deficit | 7368 | 4107 | 5965 | 4408 | 3344 | 1533 | -111 | 358 | 924 | 3280 | 6669 | 8075 | 9695 | 7107 |
| 1937 Regional Surplus/Deficit | 6324 | 4526 | 5776 | 4484 | 3479 | 1612 | -802 | 265 | 655 | 2619 | 755 | 449 | 7578 | 6142 |
| 1938 Regional Surplus/Deficit | 5851 | 4055 | 5554 | 4757 | 2977 | 2024 | 4462 | 2710 | 5072 | 6379 | 6798 | 8021 | 9941 | 8719 |
| 1939 Regional Surplus/Deficit | 4969 | 3872 | 6160 | 4835 | 3323 | 1779 | 2444 | 554 | 2338 | 4379 | 4732 | 7136 | 6945 | 7589 |
| 1940 Regional Surplus/Deficit | 6702 | 4615 | 5525 | 4860 | 3261 | 1948 | 1894 | 1878 | 5271 | 4923 | 6351 | 6028 | 7798 | 6930 |
| 1941 Regional Surplus/Deficit | 4638 | 2966 | 4775 | 4433 | 2713 | 2032 | 2160 | 571 | 643 | 2530 | 265 | 2873 | 6866 | 5912 |
| 1942 Regional Surplus/Deficit | 4114 | 3113 | 6049 | 4003 | 2434 | 4479 | 4413 | 2668 | -34 | 3370 | 3939 | 5765 | 10000 | 9338 |
| 1943 Regional Surplus/Deficit | 7743 | 6534 | 5788 | 4565 | 2902 | 1866 | 3974 | 5276 | 6146 | 7719 | 7502 | 7832 | 9947 | 9071 |
| 1944 Regional Surplus/Deficit | 7999 | 5736 | 5956 | 4442 | 3389 | 1699 | 1477 | 397 | -138 | 2044 | -454 | -556 | 4727 | 5225 |
| 1945 Regional Surplus/Deficit | 3734 | 2553 | 4728 | 3591 | 3060 | 1119 | -482 | 677 | 450 | 2115 | 256 | 5731 | 9534 | 7537 |
| 1946 Regional Surplus/Deficit | 5306 | 3852 | 5266 | 4193 | 3239 | 1931 | 3349 | 3292 | 6501 | 7217 | 7663 | 8134 | 9791 | 9273 |
| 1947 Regional Surplus/Deficit | 7989 | 5811 | 6901 | 4359 | 3169 | 6542 | 5013 | 6142 | 6736 | 5666 | 5669 | 7912 | 9880 | 9199 |
| 1948 Regional Surplus/Deficit | 6912 | 3793 | 6432 | 8333 | 4421 | 5118 | 5870 | 3432 | 4923 | 5322 | 7622 | 8332 | 9798 | 8979 |
| 1949 Regional Surplus/Deficit | 8413 | 8313 | 7230 | 5112 | 3178 | 2050 | 2157 | 2802 | 6941 | 6225 | 7682 | 8221 | 9842 | 5766 |
| 1950 Regional Surplus/Deficit | 5003 | 2935 | 4767 | 4515 | 3111 | 1481 | 3059 | 6560 | 7477 | 7854 | 7316 | 7424 | 8906 | 8772 |
| 1951 Regional Surplus/Deficit | 7852 | 6936 | 6928 | 6271 | 5243 | 7533 | 5617 | 6620 | 6444 | 7880 | 7390 | 7877 | 9803 | 9077 |
| 1952 Regional Surplus/Deficit | 8389 | 6956 | 6729 | 7566 | 3421 | 5000 | 4752 | 4731 | 4607 | 8286 | 7896 | 8118 | 10240 | 8653 |
| 1953 Regional Surplus/Deficit | 7057 | 3902 | 6061 | 4415 | 3537 | 1349 | 2235 | 5345 | 2386 | 3777 | 4762 | 7545 | 9803 | 9166 |
| 1954 Regional Surplus/Deficit | 7983 | 6342 | 6567 | 4949 | 3208 | 3682 | 3440 | 6269 | 4960 | 6856 | 6309 | 7821 | 8812 | 8424 |
| 1955 Regional Surplus/Deficit | 9029 | 8984 | 10177 | 5302 | 3606 | 3939 | 2071 | 891 | 180 | 3729 | 3927 | 5169 | 8863 | 7857 |
| 1956 Regional Surplus/Deficit | 8326 | 8313 | 6009 | 5673 | 4306 | 7242 | 5510 | 4915 | 7092 | 7853 | 6651 | 8047 | 9005 | 9121 |
| 1957 Regional Surplus/Deficit | 8429 | 6838 | 6664 | 5401 | 3145 | 3007 | 3447 | 2173 | 4575 | 7564 | 6723 | 8385 | 9470 | 8318 |
| 1958 Regional Surplus/Deficit | 5786 | 4070 | 6070 | 4601 | 3292 | 1588 | 2137 | 4738 | 5040 | 5390 | 7263 | 8045 | 9888 | 8273 |
| 1959 Regional Surplus/Deficit | 5726 | 5041 | 6318 | 4515 | 3555 | 5648 | 5470 | 6349 | 5147 | 6976 | 5738 | 7190 | 9348 | 8707 |
| 1960 Regional Surplus/Deficit | 8216 | 6275 | 10222 | 8936 | 5878 | 6605 | 5174 | 2148 | 4532 | 7428 | 7623 | 6638 | 9704 | 8663 |
| 1961 Regional Surplus/Deficit | 7041 | 3318 | 6440 | 4678 | 3024 | 2587 | 3617 | 5631 | 5512 | 6962 | 5152 | 7338 | 8706 | 8478 |
| 1962 Regional Surplus/Deficit | 6383 | 5607 | 5713 | 4646 | 3414 | 1515 | 3181 | 2255 | 850 | 7837 | 7289 | 7375 | 9805 | 8963 |
| 1963 Regional Surplus/Deficit | 7254 | 5525 | 6012 | 5619 | 3883 | 5853 | 4764 | 3522 | 1594 | 4221 | 3511 | 7714 | 10069 | 8937 |
| 1964 Regional Surplus/Deficit | 7901 | 5834 | 6765 | 4290 | 3319 | 2034 | 2928 | 2230 | 838 | 5659 | 5397 | 6261 | 9372 | 8404 |
| 1965 Regional Surplus/Deficit | 8342 | 7801 | 7704 | 6400 | 3402 | 7088 | 5512 | 7042 | 6830 | 6643 | 7861 | 7834 | 9995 | 8897 |
| 1966 Regional Surplus/Deficit | 8274 | 7074 | 6718 | 5532 | 3241 | 3320 | 4879 | 2017 | 1181 | 8036 | 5741 | 5964 | 9272 | 8917 |
| 1967 Regional Surplus/Deficit | 8174 | 4969 | 5805 | 4458 | 3283 | 2091 | 5516 | 6922 | 3623 | 4882 | 2804 | 6663 | 9144 | 8875 |
| 1968 Regional Surplus/Deficit | 8408 | 5839 | 6840 | 4978 | 3076 | 2417 | 4097 | 5559 | 4868 | 2130 | 2327 | 5754 | 9564 | 9164 |
| 1969 Regional Surplus/Deficit | 8359 | 7430 | 8482 | 6543 | 4504 | 5150 | 5651 | 6302 | 4050 | 7898 | 7314 | 8116 | 9664 | 9146 |
| 1970 Regional Surplus/Deficit | 7262 | 4601 | 6318 | 4910 | 3485 | 1910 | 3550 | 4018 | 2975 | 3424 | 3657 | 7285 | 10055 | 8749 |
| 1971 Regional Surplus/Deficit | 5443 | 2962 | 5649 | 4546 | 3879 | 1774 | 4978 | 6441 | 6174 | 7441 | 7528 | 8016 | 9381 | 8969 |
| 1972 Regional Surplus/Deficit | 9006 | 8595 | 7271 | 5319 | 3495 | 3169 | 5526 | 7022 | 6718 | 6695 | 6547 | 7844 | 9365 | 8375 |
| 1973 Regional Surplus/Deficit | 8920 | 8651 | 8045 | 5298 | 3381 | 3687 | 4551 | 805 | 805 | 1646 | 813 | 2719 | 6510 | 6414 |
| 1974 Regional Surplus/Deficit | 5056 | 2510 | 4181 | 4076 | 2715 | 5325 | 5175 | 6538 | 7531 | 7506 | 7085 | 7044 | 9427 | 7997 |
| 1975 Regional Surplus/Deficit | 8819 | 8629 | 7050 | 4253 | 3396 | 2018 | 4318 | 4034 | 6015 | 4613 | 4964 | 7477 | 9790 | 8765 |
| 1976 Regional Surplus/Deficit | 6394 | 6018 | 6955 | 6512 | 5023 | 8333 | 5602 | 6344 | 5392 | 8225 | 7570 | 8082 | 9940 | 8655 |
| 1977 Regional Surplus/Deficit | 8799 | 8986 | 11109 | 5041 | 3328 | 1640 | 1829 | 241 | -508 | 1487 | -831 | -65 | 4245 | 4199 |
| 1978 Regional Surplus/Deficit | 3931 | 3035 | 4436 | 3241 | 2454 | 1996 | 3512 | 3850 | 5494 | 7090 | 5284 | 7360 | 9513 | 9260 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 7833 | 6892 | 8058 | 6932 | 4810 | 6942 | 5511 | 5691 | 5450 | 7615 | 7552 | 7709 | 9821 | 8887 |
| Middle Eighty Percent | 6921 | 5371 | 6331 | 4840 | 3331 | 2992 | 3557 | 3735 | 3867 | 5497 | 5343 | 6762 | 9131 | 8282 |
| Bottom Ten Percent | 6078 | 4218 | 5408 | 4506 | 3282 | 1631 | 330 | 541 | 598 | 2646 | 339 | 322 | 6549 | 6132 |

**Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2009 - 2010 Operating Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|-------|------|------|------|-------|------|------|------|-------|------|-------|------|
| 1929 Regional Surplus/Deficit | 7584 | 2627 | 5374 | 3881 | 2989 | 793 | 684 | -196 | 857 | 1441 | 96 | 883 | 9517 | 6408 |
| 1930 Regional Surplus/Deficit | 5210 | 3227 | 4925 | 4253 | 3002 | 1215 | -1183 | 894 | 669 | 1994 | 559 | 615 | 7721 | 6566 |
| 1931 Regional Surplus/Deficit | 5731 | 4064 | 4381 | 4192 | 2840 | 360 | -1070 | -405 | 218 | 2430 | -196 | 184 | 6942 | 5783 |
| 1932 Regional Surplus/Deficit | 4285 | 3451 | 4711 | 3493 | 2428 | 492 | -1044 | -832 | 2430 | 6388 | 7060 | 8839 | 10339 | 8337 |
| 1933 Regional Surplus/Deficit | 5489 | 6071 | 6043 | 4258 | 2265 | 2001 | 4415 | 3806 | 2043 | 3796 | 4416 | 7257 | 9522 | 7616 |
| 1934 Regional Surplus/Deficit | 7796 | 7303 | 6591 | 5622 | 4957 | 7898 | 4413 | 5770 | 5884 | 6343 | 6779 | 8059 | 7024 | 6849 |
| 1935 Regional Surplus/Deficit | 4551 | 3177 | 4135 | 3671 | 2245 | 705 | 3641 | 5538 | 689 | 3394 | 4719 | 6676 | 9809 | 8214 |
| 1936 Regional Surplus/Deficit | 6999 | 3754 | 5350 | 4043 | 2851 | 919 | -640 | -134 | 452 | 2474 | 6285 | 9057 | 10231 | 6591 |
| 1937 Regional Surplus/Deficit | 6052 | 4237 | 5160 | 4119 | 2985 | 998 | -1338 | -226 | 183 | 1813 | 372 | 1440 | 8120 | 5627 |
| 1938 Regional Surplus/Deficit | 5523 | 3640 | 4939 | 4393 | 2483 | 1408 | 3937 | 2220 | 4600 | 5573 | 6415 | 9003 | 10475 | 8198 |
| 1939 Regional Surplus/Deficit | 4738 | 3690 | 5544 | 4470 | 2829 | 1163 | 1917 | 61 | 1866 | 3573 | 4349 | 8123 | 7489 | 7071 |
| 1940 Regional Surplus/Deficit | 6328 | 4168 | 4910 | 4496 | 2767 | 1334 | 1367 | 1386 | 4799 | 4117 | 5971 | 7016 | 8340 | 6414 |
| 1941 Regional Surplus/Deficit | 4145 | 2608 | 4159 | 4068 | 2219 | 1418 | 1633 | 78 | 170 | 1725 | -117 | 3866 | 7407 | 5395 |
| 1942 Regional Surplus/Deficit | 3835 | 2896 | 5431 | 3637 | 1938 | 3867 | 3888 | 2178 | -508 | 2562 | 3556 | 6753 | 10534 | 8814 |
| 1943 Regional Surplus/Deficit | 7415 | 6137 | 5172 | 4200 | 2408 | 1249 | 3447 | 4784 | 5673 | 6916 | 7120 | 8814 | 10481 | 8548 |
| 1944 Regional Surplus/Deficit | 7669 | 5466 | 5338 | 4076 | 2895 | 1083 | 950 | -96 | -612 | 1238 | -838 | 422 | 5272 | 4710 |
| 1945 Regional Surplus/Deficit | 3474 | 2312 | 4112 | 3227 | 2567 | 494 | -1018 | 184 | -22 | 1309 | -127 | 6718 | 10068 | 7019 |
| 1946 Regional Surplus/Deficit | 5133 | 3599 | 4650 | 3817 | 2745 | 1314 | 2821 | 2802 | 6028 | 6412 | 7280 | 9116 | 10327 | 8750 |
| 1947 Regional Surplus/Deficit | 7658 | 5524 | 6284 | 3982 | 2675 | 5930 | 4487 | 5651 | 6264 | 4861 | 5288 | 8894 | 10414 | 8676 |
| 1948 Regional Surplus/Deficit | 6649 | 3657 | 5815 | 7968 | 3927 | 4507 | 5345 | 2940 | 4451 | 4517 | 7240 | 9314 | 10329 | 8458 |
| 1949 Regional Surplus/Deficit | 8052 | 7787 | 6613 | 4746 | 2684 | 1435 | 1630 | 2311 | 6467 | 5419 | 7300 | 9203 | 10377 | 5251 |
| 1950 Regional Surplus/Deficit | 4751 | 2386 | 4151 | 4150 | 2616 | 864 | 2532 | 6070 | 7003 | 7049 | 6934 | 8407 | 9449 | 8254 |
| 1951 Regional Surplus/Deficit | 7544 | 6559 | 6311 | 5905 | 4748 | 6920 | 5093 | 6133 | 5972 | 7076 | 7010 | 8859 | 10337 | 8556 |
| 1952 Regional Surplus/Deficit | 8025 | 6582 | 6112 | 7201 | 2926 | 4389 | 4226 | 4241 | 4137 | 7479 | 7512 | 9100 | 10773 | 8132 |
| 1953 Regional Surplus/Deficit | 6799 | 3773 | 5445 | 4050 | 3044 | 734 | 1707 | 4855 | 1913 | 2971 | 4380 | 8530 | 10340 | 8646 |
| 1954 Regional Surplus/Deficit | 7661 | 6023 | 5950 | 4584 | 2714 | 3069 | 2914 | 5780 | 4489 | 6050 | 5927 | 8804 | 9353 | 7908 |
| 1955 Regional Surplus/Deficit | 8524 | 8372 | 9561 | 4937 | 3112 | 3328 | 1544 | 399 | -292 | 2924 | 3546 | 6158 | 9406 | 7344 |
| 1956 Regional Surplus/Deficit | 7956 | 7765 | 5392 | 5308 | 3812 | 6629 | 4986 | 4424 | 6617 | 7048 | 6273 | 9030 | 9547 | 8601 |
| 1957 Regional Surplus/Deficit | 8071 | 6487 | 6047 | 5035 | 2650 | 2393 | 2921 | 1680 | 4102 | 6759 | 6341 | 9366 | 10008 | 7798 |
| 1958 Regional Surplus/Deficit | 5605 | 3912 | 5453 | 4235 | 2799 | 963 | 1610 | 4248 | 4569 | 4585 | 6880 | 9026 | 10424 | 7753 |
| 1959 Regional Surplus/Deficit | 5548 | 4823 | 5702 | 4150 | 3060 | 5036 | 4946 | 5859 | 4676 | 6171 | 5358 | 8175 | 9886 | 8188 |
| 1960 Regional Surplus/Deficit | 7857 | 5948 | 9605 | 8570 | 5383 | 5994 | 4650 | 1656 | 4061 | 6629 | 7243 | 7626 | 10240 | 8142 |
| 1961 Regional Surplus/Deficit | 6761 | 3155 | 5824 | 4314 | 2530 | 1974 | 3092 | 5141 | 5040 | 6158 | 4772 | 8323 | 9247 | 7958 |
| 1962 Regional Surplus/Deficit | 6049 | 5179 | 5097 | 4281 | 2920 | 900 | 2655 | 1763 | 378 | 7031 | 6910 | 8360 | 10339 | 8440 |
| 1963 Regional Surplus/Deficit | 6972 | 5235 | 5397 | 5253 | 3389 | 5242 | 4239 | 3028 | 1122 | 3416 | 3131 | 8699 | 10602 | 8415 |
| 1964 Regional Surplus/Deficit | 7564 | 5534 | 6149 | 3913 | 2825 | 1420 | 2402 | 1740 | 366 | 4852 | 5016 | 7248 | 9913 | 7888 |
| 1965 Regional Surplus/Deficit | 7980 | 7338 | 7087 | 6035 | 2909 | 6475 | 4988 | 6551 | 6356 | 5838 | 7478 | 8816 | 10529 | 8374 |
| 1966 Regional Surplus/Deficit | 7926 | 6697 | 6100 | 5167 | 2746 | 2708 | 4355 | 1526 | 708 | 7232 | 5362 | 6952 | 9809 | 8395 |
| 1967 Regional Surplus/Deficit | 7758 | 4580 | 5189 | 4094 | 2790 | 1477 | 4992 | 6433 | 3151 | 4077 | 2424 | 7649 | 9685 | 8357 |
| 1968 Regional Surplus/Deficit | 8034 | 5525 | 6224 | 4612 | 2581 | 1803 | 3571 | 5069 | 4397 | 1323 | 1948 | 6743 | 10100 | 8642 |
| 1969 Regional Surplus/Deficit | 7983 | 7011 | 7864 | 6177 | 4010 | 4540 | 5128 | 5813 | 3578 | 7095 | 6934 | 9098 | 10202 | 8622 |
| 1970 Regional Surplus/Deficit | 6984 | 4378 | 5702 | 4544 | 2991 | 1295 | 3023 | 3526 | 2503 | 2618 | 3277 | 8269 | 10589 | 8228 |
| 1971 Regional Surplus/Deficit | 5282 | 2839 | 5032 | 4181 | 3384 | 1158 | 4451 | 5955 | 5701 | 6635 | 7146 | 8998 | 9922 | 8450 |
| 1972 Regional Surplus/Deficit | 8579 | 8048 | 6654 | 4954 | 3000 | 2555 | 5001 | 6532 | 6248 | 5896 | 6166 | 8826 | 9902 | 7859 |
| 1973 Regional Surplus/Deficit | 8413 | 8078 | 7428 | 4932 | 2886 | 3074 | 4025 | 312 | 332 | 840 | 431 | 3711 | 7052 | 5898 |
| 1974 Regional Surplus/Deficit | 4785 | 2230 | 3540 | 3711 | 2209 | 4713 | 4653 | 6053 | 7056 | 6703 | 6705 | 8022 | 9965 | 7484 |
| 1975 Regional Surplus/Deficit | 8415 | 8073 | 6434 | 3876 | 2902 | 1403 | 3792 | 3544 | 5543 | 3807 | 4583 | 8462 | 10326 | 8248 |
| 1976 Regional Surplus/Deficit | 6197 | 5756 | 6339 | 6146 | 4528 | 7716 | 5078 | 5855 | 4919 | 7420 | 7188 | 9063 | 10474 | 8138 |
| 1977 Regional Surplus/Deficit | 8304 | 8320 | 10495 | 4676 | 2833 | 1025 | 1302 | -252 | -989 | 674 | -1223 | 932 | 4774 | 3687 |
| 1978 Regional Surplus/Deficit | 3542 | 2565 | 3822 | 2864 | 1959 | 1378 | 2984 | 3358 | 5023 | 6286 | 4904 | 8346 | 10047 | 8736 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 7512 | 6522 | 7441 | 6567 | 4316 | 6329 | 4987 | 5201 | 4977 | 6812 | 7171 | 8692 | 10356 | 8366 |
| Middle Eighty Percent | 6595 | 5009 | 5714 | 4473 | 2836 | 2376 | 3030 | 3244 | 3394 | 4692 | 4961 | 7746 | 9668 | 7763 |
| Bottom Ten Percent | 5761 | 3920 | 4793 | 4142 | 2788 | 1015 | -201 | 49 | 126 | 1840 | -44 | 1305 | 7092 | 5616 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|-------|------|------|------|-------|-------|-------|------|-------|-------|------|------|
| 1929 Regional Surplus/Deficit | 7162 | 2216 | 5102 | 3428 | 2613 | 456 | 95 | -755 | 306 | 1368 | -864 | -802 | 7540 | 5856 |
| 1930 Regional Surplus/Deficit | 4791 | 2814 | 4653 | 3824 | 2630 | 899 | -1788 | 336 | 119 | 1922 | -402 | -1071 | 5754 | 6013 |
| 1931 Regional Surplus/Deficit | 5313 | 3650 | 4109 | 3762 | 2466 | 23 | -1675 | -964 | -332 | 2356 | -1153 | -1502 | 4980 | 5233 |
| 1932 Regional Surplus/Deficit | 3867 | 3038 | 4441 | 3064 | 2053 | 156 | -1649 | -1405 | 1877 | 6330 | 6109 | 7160 | 8362 | 7775 |
| 1933 Regional Surplus/Deficit | 5069 | 5654 | 5771 | 3828 | 1866 | 1686 | 3832 | 3255 | 1494 | 3722 | 3462 | 5588 | 7555 | 7070 |
| 1934 Regional Surplus/Deficit | 7374 | 6882 | 6319 | 5191 | 4579 | 7561 | 3832 | 5223 | 5335 | 6280 | 5828 | 6385 | 5063 | 6296 |
| 1935 Regional Surplus/Deficit | 4133 | 2765 | 3864 | 3242 | 1846 | 369 | 3057 | 4988 | 139 | 3319 | 3766 | 5011 | 7831 | 7655 |
| 1936 Regional Surplus/Deficit | 6579 | 3341 | 5079 | 3614 | 2476 | 604 | -1231 | -693 | -99 | 2400 | 5333 | 7375 | 8251 | 6040 |
| 1937 Regional Surplus/Deficit | 5633 | 3824 | 4888 | 3690 | 2614 | 683 | -1943 | -785 | -366 | 1739 | -586 | -222 | 6152 | 5079 |
| 1938 Regional Surplus/Deficit | 5105 | 3228 | 4668 | 3964 | 2107 | 1089 | 3352 | 1663 | 4051 | 5499 | 5457 | 7323 | 8491 | 7638 |
| 1939 Regional Surplus/Deficit | 4319 | 3276 | 5272 | 4039 | 2454 | 846 | 1330 | -498 | 1314 | 3498 | 3392 | 6453 | 5526 | 6516 |
| 1940 Regional Surplus/Deficit | 5909 | 3755 | 4638 | 4066 | 2393 | 1019 | 778 | 826 | 4249 | 4041 | 5019 | 5347 | 6373 | 5865 |
| 1941 Regional Surplus/Deficit | 3727 | 2196 | 3887 | 3637 | 1842 | 1102 | 1045 | -483 | -382 | 1650 | -1073 | 2206 | 5438 | 4846 |
| 1942 Regional Surplus/Deficit | 3417 | 2482 | 5159 | 3204 | 1560 | 3554 | 3303 | 1622 | -1061 | 2484 | 2595 | 5082 | 8550 | 8247 |
| 1943 Regional Surplus/Deficit | 6993 | 5719 | 4899 | 3770 | 2031 | 927 | 2859 | 4227 | 5121 | 6849 | 6163 | 7134 | 8496 | 7986 |
| 1944 Regional Surplus/Deficit | 7246 | 5049 | 5065 | 3644 | 2518 | 765 | 362 | -656 | -1164 | 1162 | -1798 | -1264 | 3309 | 4160 |
| 1945 Regional Surplus/Deficit | 3056 | 1899 | 3841 | 2797 | 2192 | 158 | -1623 | -376 | -573 | 1235 | -1088 | 5046 | 8084 | 6464 |
| 1946 Regional Surplus/Deficit | 4714 | 3185 | 4378 | 3384 | 2369 | 994 | 2232 | 2245 | 5477 | 6339 | 6320 | 7434 | 8347 | 8186 |
| 1947 Regional Surplus/Deficit | 7236 | 5108 | 6011 | 3528 | 2297 | 5616 | 3901 | 5095 | 5713 | 4789 | 4335 | 7218 | 8429 | 8111 |
| 1948 Regional Surplus/Deficit | 6229 | 3243 | 5543 | 7537 | 3550 | 4197 | 4760 | 2382 | 3903 | 4446 | 6283 | 7631 | 8339 | 7899 |
| 1949 Regional Surplus/Deficit | 7629 | 7363 | 6340 | 4315 | 2307 | 1118 | 1043 | 1753 | 5913 | 5344 | 6356 | 7521 | 8397 | 4702 |
| 1950 Regional Surplus/Deficit | 4332 | 1973 | 3878 | 3719 | 2240 | 544 | 1945 | 5516 | 6448 | 6976 | 5977 | 6730 | 7483 | 7698 |
| 1951 Regional Surplus/Deficit | 7122 | 6141 | 6038 | 5473 | 4369 | 6606 | 4511 | 5584 | 5421 | 7004 | 6055 | 7178 | 8356 | 7994 |
| 1952 Regional Surplus/Deficit | 7601 | 6164 | 5840 | 6769 | 2549 | 4079 | 3656 | 3687 | 3592 | 7420 | 6551 | 7418 | 8786 | 7571 |
| 1953 Regional Surplus/Deficit | 6379 | 3359 | 5173 | 3620 | 2672 | 417 | 1116 | 4299 | 1362 | 2898 | 3424 | 6854 | 8360 | 8087 |
| 1954 Regional Surplus/Deficit | 7239 | 5606 | 5678 | 4154 | 2339 | 2757 | 2327 | 5227 | 3943 | 5977 | 4969 | 7123 | 7381 | 7357 |
| 1955 Regional Surplus/Deficit | 8098 | 7944 | 9289 | 4507 | 2737 | 3019 | 956 | -160 | -842 | 2849 | 2589 | 4490 | 7440 | 6799 |
| 1956 Regional Surplus/Deficit | 7532 | 7341 | 5120 | 4878 | 3435 | 6316 | 4405 | 3868 | 6062 | 6976 | 5323 | 7350 | 7577 | 8042 |
| 1957 Regional Surplus/Deficit | 7648 | 6068 | 5774 | 4604 | 2274 | 2078 | 2335 | 1122 | 3551 | 6684 | 5383 | 7683 | 8033 | 7239 |
| 1958 Regional Surplus/Deficit | 5185 | 3497 | 5181 | 3804 | 2423 | 627 | 1021 | 3692 | 4023 | 4512 | 5920 | 7343 | 8440 | 7193 |
| 1959 Regional Surplus/Deficit | 5129 | 4409 | 5430 | 3719 | 2683 | 4725 | 4364 | 5305 | 4128 | 6099 | 4407 | 6501 | 7912 | 7632 |
| 1960 Regional Surplus/Deficit | 7434 | 5531 | 9333 | 8137 | 5004 | 5683 | 4072 | 1097 | 3512 | 6584 | 6288 | 5955 | 8261 | 7583 |
| 1961 Regional Surplus/Deficit | 6341 | 2742 | 5552 | 3883 | 2153 | 1662 | 2507 | 4586 | 4492 | 6088 | 3820 | 6646 | 7277 | 7398 |
| 1962 Regional Surplus/Deficit | 5630 | 4764 | 4825 | 3851 | 2545 | 582 | 2068 | 1205 | -173 | 6957 | 5958 | 6685 | 8356 | 7878 |
| 1963 Regional Surplus/Deficit | 6551 | 4820 | 5125 | 4820 | 3012 | 4932 | 3655 | 2467 | 572 | 3343 | 2176 | 7022 | 8618 | 7852 |
| 1964 Regional Surplus/Deficit | 7142 | 5117 | 5877 | 3459 | 2450 | 1103 | 1815 | 1186 | -185 | 4776 | 4061 | 5577 | 7940 | 7337 |
| 1965 Regional Surplus/Deficit | 7557 | 6917 | 6814 | 5604 | 2533 | 6160 | 4407 | 5993 | 5804 | 5766 | 6518 | 7134 | 8545 | 7812 |
| 1966 Regional Surplus/Deficit | 7503 | 6278 | 5827 | 4735 | 2370 | 2396 | 3776 | 969 | 156 | 7161 | 4409 | 5287 | 7832 | 7835 |
| 1967 Regional Surplus/Deficit | 7336 | 4166 | 4918 | 3663 | 2414 | 1160 | 4409 | 5880 | 2603 | 4007 | 1472 | 5976 | 7712 | 7801 |
| 1968 Regional Surplus/Deficit | 7609 | 5109 | 5952 | 4181 | 2204 | 1487 | 2985 | 4513 | 3850 | 1248 | 998 | 5077 | 8123 | 8080 |
| 1969 Regional Surplus/Deficit | 7559 | 6591 | 7592 | 5746 | 3633 | 4231 | 4545 | 5259 | 3029 | 7025 | 5980 | 7417 | 8225 | 8058 |
| 1970 Regional Surplus/Deficit | 6564 | 3964 | 5431 | 4113 | 2616 | 979 | 2433 | 2968 | 1954 | 2544 | 2322 | 6592 | 8606 | 7667 |
| 1971 Regional Surplus/Deficit | 4863 | 2426 | 4758 | 3749 | 3008 | 838 | 3863 | 5406 | 5150 | 6560 | 6189 | 7317 | 7947 | 7893 |
| 1972 Regional Surplus/Deficit | 8152 | 7624 | 6382 | 4521 | 2622 | 2241 | 4417 | 5977 | 5703 | 5834 | 5210 | 7145 | 7924 | 7307 |
| 1973 Regional Surplus/Deficit | 7987 | 7652 | 7156 | 4501 | 2509 | 2760 | 3440 | -249 | -220 | 765 | -527 | 2051 | 5087 | 5347 |
| 1974 Regional Surplus/Deficit | 4367 | 1817 | 3256 | 3281 | 1811 | 4401 | 4072 | 5506 | 6500 | 6634 | 5752 | 6333 | 7988 | 6939 |
| 1975 Regional Surplus/Deficit | 7989 | 7648 | 6162 | 3423 | 2527 | 1084 | 3205 | 2988 | 4993 | 3734 | 3628 | 6785 | 8346 | 7695 |
| 1976 Regional Surplus/Deficit | 5777 | 5339 | 6066 | 5713 | 4150 | 7393 | 4495 | 5300 | 4367 | 7348 | 6230 | 7383 | 8491 | 7583 |
| 1977 Regional Surplus/Deficit | 7880 | 7893 | 10225 | 4245 | 2456 | 707 | 715 | -812 | -1556 | 586 | -2197 | -720 | 2782 | 3145 |
| 1978 Regional Surplus/Deficit | 3125 | 2153 | 3551 | 2410 | 1583 | 1054 | 2395 | 2800 | 4474 | 6216 | 3949 | 6672 | 8065 | 8171 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 7090 | 6104 | 7169 | 6135 | 3938 | 6015 | 4406 | 4647 | 4427 | 6746 | 6214 | 7013 | 8376 | 7806 |
| Middle Eighty Percent | 6174 | 4592 | 5442 | 4039 | 2458 | 2057 | 2444 | 2687 | 2843 | 4620 | 4006 | 6071 | 7691 | 7207 |
| Bottom Ten Percent | 5342 | 3507 | 4521 | 3711 | 2414 | 694 | -800 | -511 | -425 | 1766 | -1003 | -371 | 5127 | 5066 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|------|
| 1929 Regional Surplus/Deficit | 6655 | 1731 | 4612 | 3004 | 2164 | 41 | -183 | -1032 | 5.4 | 140 | -780 | -476 | 8797 | 5563 |
| 1930 Regional Surplus/Deficit | 4290 | 2324 | 4164 | 3422 | 2180 | 502 | -2081 | 59 | -180 | 694 | -319 | -745 | 7021 | 5720 |
| 1931 Regional Surplus/Deficit | 4828 | 3159 | 3620 | 3360 | 2017 | -391 | -1968 | -1241 | -632 | 1128 | -1069 | -1176 | 6251 | 4943 |
| 1932 Regional Surplus/Deficit | 3384 | 2549 | 3953 | 2663 | 1605 | -243 | -1941 | -1695 | 1574 | 5085 | 6200 | 7495 | 9618 | 7474 |
| 1933 Regional Surplus/Deficit | 4568 | 5157 | 5282 | 3426 | 1401 | 1291 | 3559 | 2985 | 1195 | 2495 | 3549 | 5931 | 8821 | 6783 |
| 1934 Regional Surplus/Deficit | 6866 | 6378 | 5829 | 4789 | 4128 | 7146 | 3561 | 4956 | 5036 | 5061 | 5917 | 6721 | 6335 | 6002 |
| 1935 Regional Surplus/Deficit | 3634 | 2277 | 3376 | 2841 | 1376 | -46 | 2784 | 4718 | -161 | 2090 | 3856 | 5358 | 9088 | 7355 |
| 1936 Regional Surplus/Deficit | 6075 | 2851 | 4590 | 3212 | 2028 | 208 | -1512 | -970 | -400 | 1172 | 5405 | 7708 | 9506 | 5748 |
| 1937 Regional Surplus/Deficit | 5132 | 3333 | 4398 | 3288 | 2163 | 287 | -2235 | -1061 | -665 | 513 | -501 | 126 | 7417 | 4789 |
| 1938 Regional Surplus/Deficit | 4621 | 2740 | 4179 | 3561 | 1657 | 689 | 3077 | 1388 | 3752 | 4271 | 5543 | 7656 | 9743 | 7339 |
| 1939 Regional Surplus/Deficit | 3817 | 2784 | 4782 | 3635 | 2004 | 448 | 1053 | -776 | 1013 | 2270 | 3478 | 6795 | 6795 | 6221 |
| 1940 Regional Surplus/Deficit | 5423 | 3265 | 4148 | 3663 | 1944 | 623 | 499 | 549 | 3949 | 2813 | 5108 | 5690 | 7639 | 5575 |
| 1941 Regional Surplus/Deficit | 3228 | 1708 | 3396 | 3233 | 1392 | 706 | 767 | -761 | -684 | 422 | -988 | 2558 | 6703 | 4555 |
| 1942 Regional Surplus/Deficit | 2933 | 1991 | 4666 | 2800 | 1108 | 3159 | 3028 | 1348 | -1363 | 1253 | 2679 | 5426 | 9801 | 7942 |
| 1943 Regional Surplus/Deficit | 6486 | 5221 | 4408 | 3367 | 1580 | 526 | 2581 | 3952 | 4819 | 5627 | 6250 | 7468 | 9749 | 7684 |
| 1944 Regional Surplus/Deficit | 6736 | 4552 | 4572 | 3240 | 2067 | 366 | 85 | -934 | -1465 | -68 | -1716 | -937 | 4579 | 3870 |
| 1945 Regional Surplus/Deficit | 2556 | 1410 | 3351 | 2395 | 1743 | -257 | -1915 | -654 | -874 | 7.2 | -1004 | 5387 | 9336 | 6169 |
| 1946 Regional Surplus/Deficit | 4213 | 2694 | 3886 | 2982 | 1919 | 593 | 1953 | 1971 | 5176 | 5113 | 6405 | 7767 | 9602 | 7883 |
| 1947 Regional Surplus/Deficit | 6729 | 4613 | 5518 | 3104 | 1846 | 5222 | 3625 | 4821 | 5413 | 3564 | 4424 | 7552 | 9681 | 7807 |
| 1948 Regional Surplus/Deficit | 5726 | 2752 | 5051 | 7133 | 3099 | 3806 | 4486 | 2106 | 3605 | 3220 | 6370 | 7963 | 9587 | 7600 |
| 1949 Regional Surplus/Deficit | 7118 | 6853 | 5849 | 3910 | 1856 | 719 | 766 | 1478 | 5610 | 4117 | 6433 | 7854 | 9651 | 4412 |
| 1950 Regional Surplus/Deficit | 3832 | 1483 | 3387 | 3316 | 1789 | 144 | 1667 | 5242 | 6144 | 5750 | 6065 | 7067 | 8750 | 7403 |
| 1951 Regional Surplus/Deficit | 6615 | 5641 | 5546 | 5068 | 3916 | 6211 | 4239 | 5315 | 5121 | 5779 | 6145 | 7511 | 9609 | 7694 |
| 1952 Regional Surplus/Deficit | 7091 | 5664 | 5348 | 6363 | 2097 | 3687 | 3365 | 3414 | 3297 | 6175 | 6634 | 7751 | 10037 | 7271 |
| 1953 Regional Surplus/Deficit | 5875 | 2868 | 4681 | 3216 | 2221 | 19 | 836 | 4025 | 1061 | 1671 | 3512 | 7192 | 9618 | 7788 |
| 1954 Regional Surplus/Deficit | 6731 | 5107 | 5185 | 3750 | 1889 | 2364 | 2051 | 4955 | 3647 | 4750 | 5056 | 7457 | 8645 | 7065 |
| 1955 Regional Surplus/Deficit | 7582 | 7424 | 8798 | 4103 | 2287 | 2628 | 679 | -436 | -1142 | 1622 | 2676 | 4834 | 8706 | 6513 |
| 1956 Regional Surplus/Deficit | 7020 | 6830 | 4629 | 4475 | 2984 | 5921 | 4133 | 3593 | 5758 | 5751 | 5417 | 7684 | 8843 | 7744 |
| 1957 Regional Surplus/Deficit | 7137 | 5568 | 5281 | 4199 | 1823 | 1682 | 2059 | 845 | 3251 | 5457 | 5470 | 8015 | 9292 | 6940 |
| 1958 Regional Surplus/Deficit | 4684 | 3005 | 4689 | 3399 | 1973 | 212 | 742 | 3417 | 3726 | 3286 | 6005 | 7675 | 9695 | 6896 |
| 1959 Regional Surplus/Deficit | 4626 | 3915 | 4937 | 3314 | 2231 | 4333 | 4092 | 5032 | 3830 | 4874 | 4499 | 6840 | 9172 | 7336 |
| 1960 Regional Surplus/Deficit | 6924 | 5032 | 8841 | 7731 | 4550 | 5290 | 3792 | 819 | 3214 | 5351 | 6378 | 6298 | 9517 | 7284 |
| 1961 Regional Surplus/Deficit | 5838 | 2252 | 5061 | 3480 | 1702 | 1267 | 2233 | 4313 | 4194 | 4863 | 3910 | 6983 | 8539 | 7099 |
| 1962 Regional Surplus/Deficit | 5129 | 4270 | 4335 | 3447 | 2095 | 184 | 1791 | 928 | -473 | 5729 | 6050 | 7024 | 9609 | 7576 |
| 1963 Regional Surplus/Deficit | 6046 | 4325 | 4635 | 4415 | 2560 | 4540 | 3381 | 2189 | 272 | 2116 | 2264 | 7360 | 9868 | 7550 |
| 1964 Regional Surplus/Deficit | 6634 | 4622 | 5386 | 3036 | 2000 | 706 | 1539 | 913 | -485 | 3546 | 4149 | 5919 | 9203 | 7045 |
| 1965 Regional Surplus/Deficit | 7046 | 6411 | 6324 | 5203 | 2083 | 5764 | 4135 | 5718 | 5501 | 4540 | 6603 | 7468 | 9797 | 7510 |
| 1966 Regional Surplus/Deficit | 6993 | 5775 | 5335 | 4331 | 1920 | 2003 | 3497 | 694 | -145 | 5936 | 4500 | 5632 | 9090 | 7535 |
| 1967 Regional Surplus/Deficit | 6827 | 3675 | 4428 | 3261 | 1964 | 762 | 4136 | 5608 | 2304 | 2783 | 1563 | 6317 | 8975 | 7504 |
| 1968 Regional Surplus/Deficit | 7099 | 4615 | 5463 | 3777 | 1753 | 1091 | 2709 | 4238 | 3552 | 20 | 1090 | 5423 | 9379 | 7779 |
| 1969 Regional Surplus/Deficit | 7049 | 6087 | 7102 | 5344 | 3182 | 3841 | 4273 | 4986 | 2730 | 5802 | 6070 | 7750 | 9484 | 7755 |
| 1970 Regional Surplus/Deficit | 6060 | 3473 | 4941 | 3709 | 2167 | 582 | 2155 | 2692 | 1655 | 1316 | 2411 | 6929 | 9858 | 7366 |
| 1971 Regional Surplus/Deficit | 4362 | 1936 | 4266 | 3345 | 2557 | 438 | 3585 | 5137 | 4848 | 5332 | 6276 | 7650 | 9209 | 7596 |
| 1972 Regional Surplus/Deficit | 7635 | 7112 | 5890 | 4116 | 2171 | 1845 | 4142 | 5704 | 5408 | 4618 | 5299 | 7479 | 9181 | 7014 |
| 1973 Regional Surplus/Deficit | 7470 | 7137 | 6664 | 4096 | 2057 | 2364 | 3164 | -527 | -522 | -464 | -441 | 2401 | 6354 | 5056 |
| 1974 Regional Surplus/Deficit | 3867 | 1329 | 2743 | 2877 | 1340 | 4008 | 3800 | 5239 | 6195 | 5411 | 5844 | 6659 | 9247 | 6654 |
| 1975 Regional Surplus/Deficit | 7474 | 7136 | 5672 | 3000 | 2078 | 684 | 2929 | 2714 | 4694 | 2508 | 3717 | 7123 | 9602 | 7402 |
| 1976 Regional Surplus/Deficit | 5273 | 4841 | 5574 | 5307 | 3698 | 6989 | 4222 | 5028 | 4066 | 6123 | 6316 | 7715 | 9743 | 7288 |
| 1977 Regional Surplus/Deficit | 7368 | 7373 | 9736 | 3841 | 2005 | 309 | 439 | -1089 | -1872 | -655 | -2129 | -362 | 4025 | 2861 |
| 1978 Regional Surplus/Deficit | 2644 | 1664 | 3062 | 1987 | 1132 | 650 | 2116 | 2524 | 4176 | 4991 | 4038 | 7011 | 9319 | 7867 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 6581 | 5602 | 6677 | 5730 | 3486 | 5619 | 4132 | 4373 | 4126 | 5519 | 6302 | 7349 | 9630 | 7506 |
| Middle Eighty Percent | 5671 | 4096 | 4951 | 3633 | 2006 | 1659 | 2166 | 2413 | 2543 | 3392 | 4093 | 6409 | 8949 | 6910 |
| Bottom Ten Percent | 4843 | 3015 | 4030 | 3309 | 1964 | 294 | -1086 | -788 | -725 | 538 | -919 | -35 | 6394 | 4776 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------------|------|-------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|
| <i>1929 Regional Surplus/Deficit</i> | 6375 | 1469 | 4373 | 2818 | 1863 | -442 | -659 | -1411 | -273 | -370 | -1707 | -1005 | 7595 | 5249 |
| <i>1930 Regional Surplus/Deficit</i> | 4017 | 2059 | 3926 | 3258 | 1880 | 36 | -2571 | -319 | -458 | 184 | -1247 | -1274 | 5830 | 5405 |
| <i>1931 Regional Surplus/Deficit</i> | 4538 | 2893 | 3381 | 3195 | 1717 | -875 | -2457 | -1619 | -910 | 617 | -1996 | -1705 | 5064 | 4632 |
| <i>1932 Regional Surplus/Deficit</i> | 3096 | 2284 | 3717 | 2499 | 1304 | -710 | -2431 | -2085 | 1293 | 4575 | 5280 | 6973 | 8416 | 7152 |
| <i>1933 Regional Surplus/Deficit</i> | 4293 | 4885 | 5043 | 3261 | 1098 | 827 | 3089 | 2613 | 919 | 1986 | 2625 | 5418 | 7629 | 6474 |
| <i>1934 Regional Surplus/Deficit</i> | 6585 | 6100 | 5589 | 4623 | 3825 | 6662 | 3092 | 4587 | 4759 | 4561 | 4996 | 6201 | 5148 | 5688 |
| <i>1935 Regional Surplus/Deficit</i> | 3362 | 2014 | 3138 | 2676 | 1054 | -530 | 2313 | 4347 | -438 | 1580 | 2936 | 4848 | 7886 | 7035 |
| <i>1936 Regional Surplus/Deficit</i> | 5798 | 2586 | 4351 | 3047 | 1728 | -256 | -1990 | -1349 | -678 | 661 | 4477 | 7185 | 8304 | 5435 |
| <i>1937 Regional Surplus/Deficit</i> | 4858 | 3067 | 4159 | 3124 | 1863 | -177 | -2725 | -1438 | -942 | 3.4 | -1427 | -381 | 6225 | 4479 |
| <i>1938 Regional Surplus/Deficit</i> | 4333 | 2477 | 3941 | 3397 | 1356 | 220 | 2605 | 1012 | 3475 | 3761 | 4619 | 7134 | 8536 | 7018 |
| <i>1939 Regional Surplus/Deficit</i> | 3543 | 2517 | 4543 | 3469 | 1703 | -19 | 579 | -1154 | 734 | 1759 | 2553 | 6281 | 5607 | 5905 |
| <i>1940 Regional Surplus/Deficit</i> | 5132 | 3000 | 3909 | 3498 | 1643 | 158 | 24 | 170 | 3672 | 2302 | 4186 | 5177 | 6447 | 5264 |
| <i>1941 Regional Surplus/Deficit</i> | 2955 | 1445 | 3157 | 3066 | 1090 | 240 | 292 | -1141 | -963 | -89 | -1913 | 2053 | 5509 | 4244 |
| <i>1942 Regional Surplus/Deficit</i> | 2644 | 1724 | 4426 | 2632 | 804 | 2696 | 2556 | 973 | -1644 | 739 | 1752 | 4913 | 8595 | 7616 |
| <i>1943 Regional Surplus/Deficit</i> | 6206 | 4948 | 4168 | 3201 | 1278 | 55 | 2106 | 3575 | 4539 | 5123 | 5327 | 6947 | 8544 | 7360 |
| <i>1944 Regional Surplus/Deficit</i> | 6454 | 4281 | 4332 | 3074 | 1765 | -102 | -390 | -1313 | -1745 | -579 | -2645 | -1467 | 3391 | 3559 |
| <i>1945 Regional Surplus/Deficit</i> | 2283 | 1145 | 3113 | 2230 | 1442 | -741 | -2405 | -1033 | -1152 | -503 | -1932 | 4873 | 8130 | 5852 |
| <i>1946 Regional Surplus/Deficit</i> | 3939 | 2428 | 3647 | 2816 | 1617 | 123 | 1477 | 1596 | 4897 | 4605 | 5479 | 7244 | 8400 | 7558 |
| <i>1947 Regional Surplus/Deficit</i> | 6449 | 4343 | 5278 | 2919 | 1543 | 4758 | 3151 | 4446 | 5135 | 3056 | 3502 | 7030 | 8475 | 7482 |
| <i>1948 Regional Surplus/Deficit</i> | 5450 | 2486 | 4812 | 6967 | 2797 | 3346 | 4015 | 1728 | 3329 | 2711 | 5446 | 7440 | 8376 | 7280 |
| <i>1949 Regional Surplus/Deficit</i> | 6835 | 6570 | 5609 | 3743 | 1554 | 252 | 292 | 1101 | 5330 | 3607 | 5509 | 7331 | 8446 | 4101 |
| <i>1950 Regional Surplus/Deficit</i> | 3558 | 1218 | 3148 | 3150 | 1487 | -326 | 1193 | 4868 | 5862 | 5241 | 5141 | 6547 | 7560 | 7086 |
| <i>1951 Regional Surplus/Deficit</i> | 6335 | 5367 | 5306 | 4901 | 3612 | 5747 | 3769 | 4944 | 4843 | 5272 | 5224 | 6988 | 8405 | 7372 |
| <i>1952 Regional Surplus/Deficit</i> | 6808 | 5390 | 5108 | 6197 | 1794 | 3226 | 2892 | 3039 | 3024 | 5665 | 5707 | 7228 | 8830 | 6950 |
| <i>1953 Regional Surplus/Deficit</i> | 5600 | 2602 | 4442 | 3051 | 1921 | -447 | 358 | 3650 | 783 | 1162 | 2589 | 6675 | 8417 | 7468 |
| <i>1954 Regional Surplus/Deficit</i> | 6451 | 4836 | 4946 | 3584 | 1587 | 1902 | 1578 | 4581 | 3373 | 4242 | 4133 | 6936 | 7450 | 6751 |
| <i>1955 Regional Surplus/Deficit</i> | 7295 | 7133 | 8560 | 3938 | 1986 | 2168 | 204 | -814 | -1420 | 1112 | 1753 | 4323 | 7514 | 6206 |
| <i>1956 Regional Surplus/Deficit</i> | 6737 | 6547 | 4390 | 4309 | 2682 | 5457 | 3664 | 3218 | 5476 | 5244 | 4501 | 7162 | 7652 | 7425 |
| <i>1957 Regional Surplus/Deficit</i> | 6855 | 5295 | 5041 | 4032 | 1521 | 1216 | 1586 | 467 | 2972 | 4947 | 4546 | 7491 | 8093 | 6620 |
| <i>1958 Regional Surplus/Deficit</i> | 4409 | 2738 | 4449 | 3233 | 1672 | -272 | 267 | 3042 | 3452 | 2777 | 5079 | 7152 | 8491 | 6576 |
| <i>1959 Regional Surplus/Deficit</i> | 4352 | 3647 | 4698 | 3148 | 1928 | 3872 | 3623 | 4658 | 3554 | 4367 | 3579 | 6324 | 7974 | 7019 |
| <i>1960 Regional Surplus/Deficit</i> | 6642 | 4760 | 8602 | 7563 | 4246 | 4828 | 3322 | 441 | 2938 | 4852 | 5456 | 5785 | 8314 | 6964 |
| <i>1961 Regional Surplus/Deficit</i> | 5562 | 1986 | 4822 | 3315 | 1400 | 804 | 1761 | 3939 | 3918 | 4357 | 2989 | 6464 | 7344 | 6779 |
| <i>1962 Regional Surplus/Deficit</i> | 4854 | 4002 | 4096 | 3281 | 1794 | -283 | 1318 | 551 | -751 | 5219 | 5131 | 6506 | 8403 | 7252 |
| <i>1963 Regional Surplus/Deficit</i> | 5769 | 4057 | 4396 | 4247 | 2258 | 4080 | 2910 | 1810 | -5.2 | 1607 | 1343 | 6842 | 8660 | 7227 |
| <i>1964 Regional Surplus/Deficit</i> | 6354 | 4351 | 5147 | 2869 | 1698 | 240 | 1066 | 539 | -763 | 3035 | 3227 | 5405 | 8008 | 6731 |
| <i>1965 Regional Surplus/Deficit</i> | 6763 | 6132 | 6084 | 5037 | 1782 | 5299 | 3666 | 5341 | 5221 | 4032 | 5678 | 6945 | 8591 | 7187 |
| <i>1966 Regional Surplus/Deficit</i> | 6712 | 5500 | 5094 | 4164 | 1618 | 1541 | 3027 | 318 | -425 | 5429 | 3580 | 5121 | 7889 | 7213 |
| <i>1967 Regional Surplus/Deficit</i> | 6547 | 3408 | 4190 | 3096 | 1663 | 296 | 3666 | 5234 | 2028 | 2277 | 644 | 5802 | 7779 | 7187 |
| <i>1968 Regional Surplus/Deficit</i> | 6817 | 4346 | 5224 | 3611 | 1451 | 626 | 2237 | 3863 | 3277 | -491 | 170 | 4912 | 8177 | 7456 |
| <i>1969 Regional Surplus/Deficit</i> | 6767 | 5811 | 6863 | 5177 | 2880 | 3382 | 3804 | 4613 | 2452 | 5297 | 5149 | 7228 | 8285 | 7431 |
| <i>1970 Regional Surplus/Deficit</i> | 5784 | 3206 | 4702 | 3542 | 1866 | 117 | 1679 | 2315 | 1379 | 806 | 1489 | 6410 | 8652 | 7045 |
| <i>1971 Regional Surplus/Deficit</i> | 4088 | 1671 | 4025 | 3178 | 2255 | -31 | 3110 | 4767 | 4569 | 4822 | 5352 | 7128 | 8013 | 7277 |
| <i>1972 Regional Surplus/Deficit</i> | 7347 | 6827 | 5650 | 3949 | 1867 | 1380 | 3670 | 5329 | 5134 | 4120 | 4376 | 6957 | 7981 | 6699 |
| <i>1973 Regional Surplus/Deficit</i> | 7182 | 6850 | 6424 | 3930 | 1755 | 1900 | 2691 | -906 | -801 | -975 | -1366 | 1895 | 5164 | 4743 |
| <i>1974 Regional Surplus/Deficit</i> | 3594 | 1065 | 2484 | 2711 | 1019 | 3546 | 3331 | 4870 | 5912 | 4907 | 4924 | 6130 | 8048 | 6347 |
| <i>1975 Regional Surplus/Deficit</i> | 7188 | 6850 | 5432 | 2814 | 1777 | 215 | 2455 | 2338 | 4417 | 1999 | 2796 | 6604 | 8400 | 7088 |
| <i>1976 Regional Surplus/Deficit</i> | 4996 | 4569 | 5334 | 5139 | 3395 | 6516 | 3752 | 4654 | 3787 | 5615 | 5391 | 7192 | 8537 | 6972 |
| <i>1977 Regional Surplus/Deficit</i> | 7084 | 7083 | 9499 | 3674 | 1702 | -158 | -35 | -1468 | -2165 | -1178 | -3071 | -860 | 2811 | 2555 |
| <i>1978 Regional Surplus/Deficit</i> | 2357 | 1400 | 2824 | 1801 | 830 | 178 | 1639 | 2146 | 3900 | 4485 | 3116 | 6495 | 8114 | 7541 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 6301 | 5328 | 6438 | 5564 | 3183 | 5155 | 3663 | 3999 | 3848 | 5013 | 5379 | 6828 | 8426 | 7185 |
| Middle Eighty Percent | 5391 | 3825 | 4711 | 3465 | 1704 | 1191 | 1693 | 2037 | 2265 | 2883 | 3169 | 5891 | 7749 | 6593 |
| Bottom Ten Percent | 4565 | 2749 | 3791 | 3143 | 1663 | -176 | -1570 | -1166 | -1003 | 27 | -1846 | -555 | 5204 | 4464 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|------|------|------|-------|-------|-------|-------|------|-------|-------|------|------|
| 1929 Regional Surplus/Deficit | 6065 | 1177 | 4095 | 2471 | 1486 | -758 | -979 | -1813 | -637 | 126 | -1211 | -1416 | 7600 | 4862 |
| 1930 Regional Surplus/Deficit | 3712 | 1763 | 3649 | 2911 | 1503 | -279 | -2891 | -721 | -821 | 680 | -751 | -1685 | 5835 | 5017 |
| 1931 Regional Surplus/Deficit | 4234 | 2596 | 3104 | 2848 | 1340 | -1190 | -2777 | -2022 | -1273 | 1113 | -1500 | -2116 | 5068 | 4245 |
| 1932 Regional Surplus/Deficit | 2793 | 1989 | 3441 | 2152 | 927 | -1025 | -2751 | -2488 | 929 | 5071 | 5776 | 6563 | 8421 | 6764 |
| 1933 Regional Surplus/Deficit | 3988 | 4582 | 4765 | 2914 | 720 | 511 | 2769 | 2210 | 555 | 2482 | 3121 | 5008 | 7633 | 6086 |
| 1934 Regional Surplus/Deficit | 6274 | 5791 | 5310 | 4276 | 3448 | 6346 | 2772 | 4185 | 4395 | 5057 | 5492 | 5790 | 5152 | 5300 |
| 1935 Regional Surplus/Deficit | 3059 | 1720 | 2861 | 2329 | 677 | -845 | 1993 | 3944 | -802 | 2076 | 3432 | 4437 | 7891 | 6647 |
| 1936 Regional Surplus/Deficit | 5490 | 2290 | 4073 | 2700 | 1351 | -572 | -2310 | -1751 | -1042 | 1158 | 4973 | 6774 | 8308 | 5048 |
| 1937 Regional Surplus/Deficit | 4553 | 2770 | 3880 | 2777 | 1486 | -493 | -3045 | -1841 | -1306 | 500 | -931 | -792 | 6229 | 4092 |
| 1938 Regional Surplus/Deficit | 4029 | 2183 | 3663 | 3050 | 978 | -95 | 2285 | 610 | 3111 | 4257 | 5115 | 6724 | 8541 | 6631 |
| 1939 Regional Surplus/Deficit | 3238 | 2219 | 4265 | 3122 | 1326 | -334 | 259 | -1556 | 370 | 2255 | 3049 | 5870 | 5611 | 5518 |
| 1940 Regional Surplus/Deficit | 4827 | 2704 | 3631 | 3151 | 1266 | -157 | -296 | -232 | 3308 | 2798 | 4682 | 4766 | 6451 | 4876 |
| 1941 Regional Surplus/Deficit | 2652 | 1151 | 2878 | 2719 | 713 | -75 | -28 | -1543 | -1327 | 408 | -1417 | 1642 | 5514 | 3856 |
| 1942 Regional Surplus/Deficit | 2340 | 1427 | 4146 | 2285 | 427 | 2381 | 2236 | 570 | -2007 | 1236 | 2248 | 4502 | 8599 | 7228 |
| 1943 Regional Surplus/Deficit | 5896 | 4644 | 3889 | 2854 | 901 | -260 | 1786 | 3173 | 4176 | 5620 | 5823 | 6536 | 8548 | 6973 |
| 1944 Regional Surplus/Deficit | 6142 | 3979 | 4051 | 2727 | 1388 | -417 | -710 | -1715 | -2108 | -83 | -2149 | -1878 | 3396 | 3172 |
| 1945 Regional Surplus/Deficit | 1979 | 849 | 2835 | 1883 | 1065 | -1056 | -2725 | -1435 | -1516 | -7.0 | -1436 | 4462 | 8134 | 5465 |
| 1946 Regional Surplus/Deficit | 3634 | 2130 | 3368 | 2469 | 1240 | -192 | 1157 | 1193 | 4533 | 5101 | 5975 | 6833 | 8404 | 7171 |
| 1947 Regional Surplus/Deficit | 6138 | 4042 | 4998 | 2571 | 1166 | 4443 | 2831 | 4043 | 4771 | 3552 | 3998 | 6619 | 8479 | 7095 |
| 1948 Regional Surplus/Deficit | 5144 | 2190 | 4532 | 6620 | 2419 | 3031 | 3695 | 1326 | 2965 | 3208 | 5942 | 7029 | 8381 | 6893 |
| 1949 Regional Surplus/Deficit | 6521 | 6256 | 5330 | 3396 | 1177 | -63 | -27 | 699 | 4966 | 4103 | 6005 | 6920 | 8451 | 3714 |
| 1950 Regional Surplus/Deficit | 3254 | 922 | 2869 | 2802 | 1110 | -641 | 873 | 4465 | 5498 | 5737 | 5637 | 6136 | 7564 | 6698 |
| 1951 Regional Surplus/Deficit | 6024 | 5063 | 5026 | 4554 | 3235 | 5432 | 3449 | 4542 | 4479 | 5768 | 5720 | 6577 | 8409 | 6984 |
| 1952 Regional Surplus/Deficit | 6495 | 5085 | 4828 | 5849 | 1417 | 2911 | 2573 | 2637 | 2661 | 6161 | 6203 | 6817 | 8834 | 6563 |
| 1953 Regional Surplus/Deficit | 5293 | 2305 | 4163 | 2704 | 1543 | -762 | 38 | 3247 | 419 | 1658 | 3085 | 6264 | 8421 | 7081 |
| 1954 Regional Surplus/Deficit | 6141 | 4534 | 4667 | 3237 | 1210 | 1587 | 1258 | 4179 | 3009 | 4738 | 4629 | 6525 | 7455 | 6364 |
| 1955 Regional Surplus/Deficit | 6977 | 6811 | 8282 | 3591 | 1609 | 1853 | -116 | -1216 | -1783 | 1608 | 2249 | 3912 | 7519 | 5818 |
| 1956 Regional Surplus/Deficit | 6423 | 6232 | 4112 | 3962 | 2304 | 5142 | 3344 | 2815 | 5113 | 5740 | 4997 | 6751 | 7656 | 7038 |
| 1957 Regional Surplus/Deficit | 6542 | 4990 | 4762 | 3685 | 1143 | 901 | 1267 | 65 | 2609 | 5444 | 5042 | 7080 | 8097 | 6233 |
| 1958 Regional Surplus/Deficit | 4103 | 2440 | 4170 | 2886 | 1295 | -587 | -53 | 2639 | 3088 | 3274 | 5575 | 6741 | 8496 | 6189 |
| 1959 Regional Surplus/Deficit | 4047 | 3348 | 4419 | 2801 | 1550 | 3557 | 3304 | 4256 | 3190 | 4863 | 4075 | 5913 | 7978 | 6631 |
| 1960 Regional Surplus/Deficit | 6330 | 4457 | 8323 | 7216 | 3868 | 4513 | 3002 | 39 | 2574 | 5348 | 5952 | 5374 | 8319 | 6576 |
| 1961 Regional Surplus/Deficit | 5255 | 1690 | 4544 | 2968 | 1023 | 489 | 1441 | 3536 | 3554 | 4853 | 3485 | 6054 | 7348 | 6392 |
| 1962 Regional Surplus/Deficit | 4549 | 3702 | 3817 | 2934 | 1416 | -599 | 998 | 148 | -1114 | 5715 | 5627 | 6096 | 8407 | 6865 |
| 1963 Regional Surplus/Deficit | 5461 | 3757 | 4118 | 3900 | 1880 | 3765 | 2590 | 1407 | -369 | 2103 | 1838 | 6432 | 8665 | 6840 |
| 1964 Regional Surplus/Deficit | 6043 | 4050 | 4869 | 2522 | 1321 | -75 | 746 | 136 | -1127 | 3531 | 3723 | 4994 | 8013 | 6344 |
| 1965 Regional Surplus/Deficit | 6449 | 5823 | 5805 | 4690 | 1405 | 4984 | 3346 | 4938 | 4857 | 4528 | 6174 | 6535 | 8595 | 6799 |
| 1966 Regional Surplus/Deficit | 6399 | 5194 | 4814 | 3817 | 1241 | 1226 | 2707 | -84 | -789 | 5926 | 4076 | 4710 | 7894 | 6826 |
| 1967 Regional Surplus/Deficit | 6235 | 3111 | 3912 | 2749 | 1286 | -19 | 3346 | 4832 | 1665 | 2773 | 1140 | 5392 | 7784 | 6799 |
| 1968 Regional Surplus/Deficit | 6504 | 4046 | 4946 | 3264 | 1073 | 310 | 1917 | 3461 | 2914 | 4.8 | 666 | 4501 | 8181 | 7069 |
| 1969 Regional Surplus/Deficit | 6454 | 5503 | 6584 | 4830 | 2503 | 3067 | 3484 | 4210 | 2089 | 5793 | 5645 | 6817 | 8289 | 7043 |
| 1970 Regional Surplus/Deficit | 5477 | 2909 | 4424 | 3195 | 1489 | -198 | 1359 | 1913 | 1015 | 1303 | 1985 | 5999 | 8656 | 6657 |
| 1971 Regional Surplus/Deficit | 3783 | 1375 | 3744 | 2831 | 1878 | -346 | 2790 | 4365 | 4205 | 5319 | 5848 | 6717 | 8017 | 6890 |
| 1972 Regional Surplus/Deficit | 7028 | 6511 | 5371 | 3602 | 1490 | 1065 | 3350 | 4927 | 4770 | 4616 | 4872 | 6546 | 7985 | 6312 |
| 1973 Regional Surplus/Deficit | 6863 | 6532 | 6144 | 3583 | 1377 | 1585 | 2372 | -1309 | -1165 | -479 | -870 | 1484 | 5168 | 4356 |
| 1974 Regional Surplus/Deficit | 3291 | 770 | 2186 | 2364 | 641 | 3230 | 3012 | 4468 | 5548 | 5403 | 5420 | 5719 | 8052 | 5959 |
| 1975 Regional Surplus/Deficit | 6870 | 6533 | 5153 | 2467 | 1399 | -100 | 2135 | 1936 | 4053 | 2496 | 3292 | 6194 | 8405 | 6700 |
| 1976 Regional Surplus/Deficit | 4689 | 4266 | 5054 | 4792 | 3018 | 6201 | 3432 | 4251 | 3424 | 6111 | 5887 | 6781 | 8542 | 6585 |
| 1977 Regional Surplus/Deficit | 6770 | 6762 | 9223 | 3327 | 1325 | -473 | -355 | -1871 | -2529 | -682 | -2575 | -1271 | 2815 | 2168 |
| 1978 Regional Surplus/Deficit | 2055 | 1105 | 2546 | 1454 | 452 | -137 | 1319 | 1744 | 3536 | 4981 | 3612 | 6085 | 8119 | 7154 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 5989 | 5022 | 6159 | 5216 | 2806 | 4839 | 3343 | 3596 | 3485 | 5510 | 5875 | 6417 | 8431 | 6798 |
| Middle Eighty Percent | 5082 | 3523 | 4432 | 3118 | 1326 | 876 | 1373 | 1634 | 1901 | 3379 | 3665 | 5480 | 7753 | 6205 |
| Bottom Ten Percent | 4259 | 2452 | 3512 | 2796 | 1286 | -491 | -1890 | -1568 | -1367 | 524 | -1350 | -966 | 5208 | 4076 |

**Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2014 - 2015 Operating Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| <i>1929 Regional Surplus/Deficit</i> | 5672 | 785 | 3753 | 2124 | 1104 | -1225 | -1321 | -2128 | -928 | -719 | -2054 | -2613 | 6977 | 4562 |
| <i>1930 Regional Surplus/Deficit</i> | 3319 | 1371 | 3306 | 2564 | 1121 | -746 | -3233 | -1036 | -1112 | -164 | -1594 | -2882 | 5212 | 4718 |
| <i>1931 Regional Surplus/Deficit</i> | 3841 | 2204 | 2761 | 2501 | 958 | -1657 | -3120 | -2336 | -1564 | 269 | -2343 | -3313 | 4445 | 3945 |
| <i>1932 Regional Surplus/Deficit</i> | 2400 | 1596 | 3098 | 1805 | 545 | -1492 | -3093 | -2802 | 639 | 4226 | 4932 | 5365 | 7798 | 6465 |
| <i>1933 Regional Surplus/Deficit</i> | 3595 | 4190 | 4422 | 2568 | 339 | 44 | 2426 | 1896 | 264 | 1637 | 2278 | 3810 | 7011 | 5787 |
| <i>1934 Regional Surplus/Deficit</i> | 5881 | 5399 | 4968 | 3929 | 3066 | 5879 | 2430 | 3870 | 4105 | 4212 | 4648 | 4593 | 4530 | 5001 |
| <i>1935 Regional Surplus/Deficit</i> | 2666 | 1328 | 2519 | 1983 | 295 | -1312 | 1650 | 3630 | -1093 | 1231 | 2588 | 3240 | 7268 | 6348 |
| <i>1936 Regional Surplus/Deficit</i> | 5097 | 1898 | 3731 | 2353 | 969 | -1039 | -2653 | -2066 | -1333 | 313 | 4129 | 5577 | 7685 | 4748 |
| <i>1937 Regional Surplus/Deficit</i> | 4160 | 2378 | 3538 | 2430 | 1104 | -960 | -3388 | -2155 | -1597 | -345 | -1775 | -1989 | 5607 | 3792 |
| <i>1938 Regional Surplus/Deficit</i> | 3636 | 1791 | 3321 | 2703 | 597 | -562 | 1943 | 295 | 2821 | 3413 | 4271 | 5526 | 7918 | 6331 |
| <i>1939 Regional Surplus/Deficit</i> | 2845 | 1827 | 3922 | 2776 | 944 | -801 | -84 | -1871 | 79 | 1411 | 2205 | 4672 | 4988 | 5218 |
| <i>1940 Regional Surplus/Deficit</i> | 4434 | 2312 | 3289 | 2805 | 885 | -624 | -639 | -547 | 3017 | 1953 | 3839 | 3569 | 5828 | 4576 |
| <i>1941 Regional Surplus/Deficit</i> | 2259 | 759 | 2536 | 2373 | 331 | -542 | -370 | -1858 | -1618 | -437 | -2261 | 445 | 4891 | 3557 |
| <i>1942 Regional Surplus/Deficit</i> | 1947 | 1035 | 3804 | 1939 | 45 | 1914 | 1893 | 256 | -2298 | 391 | 1405 | 3305 | 7976 | 6929 |
| <i>1943 Regional Surplus/Deficit</i> | 5503 | 4252 | 3547 | 2507 | 519 | -727 | 1444 | 2859 | 3885 | 4775 | 4979 | 5339 | 7925 | 6673 |
| <i>1944 Regional Surplus/Deficit</i> | 5749 | 3587 | 3709 | 2380 | 1006 | -884 | -1052 | -2030 | -2399 | -927 | -2992 | -3075 | 2773 | 2872 |
| <i>1945 Regional Surplus/Deficit</i> | 1586 | 457 | 2493 | 1536 | 683 | -1523 | -3067 | -1750 | -1807 | -852 | -2279 | 3265 | 7511 | 5165 |
| <i>1946 Regional Surplus/Deficit</i> | 3241 | 1738 | 3025 | 2122 | 858 | -659 | 814 | 879 | 4242 | 4256 | 5131 | 5636 | 7781 | 6871 |
| <i>1947 Regional Surplus/Deficit</i> | 5745 | 3650 | 4656 | 2225 | 785 | 3976 | 2489 | 3729 | 4481 | 2708 | 3154 | 5422 | 7857 | 6795 |
| <i>1948 Regional Surplus/Deficit</i> | 4751 | 1798 | 4190 | 6273 | 2038 | 2564 | 3353 | 1012 | 2674 | 2363 | 5098 | 5832 | 7758 | 6593 |
| <i>1949 Regional Surplus/Deficit</i> | 6128 | 5864 | 4987 | 3050 | 796 | -530 | -370 | 384 | 4675 | 3258 | 5162 | 5723 | 7828 | 3414 |
| <i>1950 Regional Surplus/Deficit</i> | 2861 | 530 | 2526 | 2456 | 729 | -1108 | 531 | 4151 | 5207 | 4893 | 4794 | 4939 | 6941 | 6399 |
| <i>1951 Regional Surplus/Deficit</i> | 5631 | 4670 | 4684 | 4207 | 2853 | 4965 | 3107 | 4227 | 4188 | 4924 | 4876 | 5380 | 7786 | 6685 |
| <i>1952 Regional Surplus/Deficit</i> | 6102 | 4692 | 4486 | 5503 | 1035 | 2444 | 2230 | 2322 | 2370 | 5316 | 5360 | 5620 | 8211 | 6263 |
| <i>1953 Regional Surplus/Deficit</i> | 4900 | 1913 | 3821 | 2358 | 1162 | -1229 | -304 | 2933 | 128 | 813 | 2241 | 5067 | 7799 | 6781 |
| <i>1954 Regional Surplus/Deficit</i> | 5748 | 4142 | 4325 | 2890 | 829 | 1120 | 915 | 3864 | 2718 | 3893 | 3785 | 5327 | 6832 | 6064 |
| <i>1955 Regional Surplus/Deficit</i> | 6584 | 6419 | 7940 | 3244 | 1227 | 1386 | -458 | -1531 | -2074 | 763 | 1406 | 2715 | 6896 | 5519 |
| <i>1956 Regional Surplus/Deficit</i> | 6030 | 5840 | 3769 | 3616 | 1923 | 4675 | 3001 | 2501 | 4822 | 4896 | 4153 | 5554 | 7033 | 6738 |
| <i>1957 Regional Surplus/Deficit</i> | 6149 | 4598 | 4419 | 3339 | 762 | 434 | 924 | -250 | 2318 | 4599 | 4199 | 5883 | 7474 | 5933 |
| <i>1958 Regional Surplus/Deficit</i> | 3710 | 2048 | 3828 | 2539 | 914 | -1054 | -395 | 2325 | 2797 | 2429 | 4732 | 5543 | 7873 | 5889 |
| <i>1959 Regional Surplus/Deficit</i> | 3654 | 2956 | 4077 | 2455 | 1169 | 3090 | 2961 | 3941 | 2900 | 4019 | 3232 | 4715 | 7356 | 6332 |
| <i>1960 Regional Surplus/Deficit</i> | 5937 | 4065 | 7981 | 6870 | 3487 | 4046 | 2659 | -276 | 2283 | 4503 | 5109 | 4177 | 7696 | 6277 |
| <i>1961 Regional Surplus/Deficit</i> | 4862 | 1298 | 4202 | 2621 | 642 | 22 | 1099 | 3222 | 3263 | 4009 | 2642 | 4856 | 6726 | 6092 |
| <i>1962 Regional Surplus/Deficit</i> | 4156 | 3310 | 3475 | 2587 | 1035 | -1066 | 656 | -166 | -1405 | 4870 | 4783 | 4898 | 7784 | 6565 |
| <i>1963 Regional Surplus/Deficit</i> | 5068 | 3365 | 3775 | 3554 | 1499 | 3298 | 2248 | 1093 | -660 | 1258 | 995 | 5234 | 8042 | 6540 |
| <i>1964 Regional Surplus/Deficit</i> | 5650 | 3657 | 4526 | 2175 | 940 | -542 | 404 | -178 | -1418 | 2686 | 2880 | 3797 | 7390 | 6044 |
| <i>1965 Regional Surplus/Deficit</i> | 6056 | 5430 | 5462 | 4343 | 1023 | 4517 | 3004 | 4624 | 4567 | 3683 | 5330 | 5337 | 7973 | 6499 |
| <i>1966 Regional Surplus/Deficit</i> | 6006 | 4802 | 4472 | 3470 | 859 | 759 | 2364 | -399 | -1079 | 5081 | 3233 | 3513 | 7271 | 6526 |
| <i>1967 Regional Surplus/Deficit</i> | 5842 | 2719 | 3570 | 2402 | 905 | -486 | 3004 | 4517 | 1374 | 1929 | 296 | 4194 | 7161 | 6500 |
| <i>1968 Regional Surplus/Deficit</i> | 6111 | 3654 | 4604 | 2917 | 692 | -157 | 1574 | 3146 | 2623 | -840 | -177 | 3304 | 7558 | 6769 |
| <i>1969 Regional Surplus/Deficit</i> | 6061 | 5111 | 6242 | 4484 | 2121 | 2600 | 3141 | 3896 | 1798 | 4948 | 4802 | 5620 | 7666 | 6744 |
| <i>1970 Regional Surplus/Deficit</i> | 5084 | 2517 | 4082 | 2849 | 1108 | -665 | 1016 | 1598 | 724 | 458 | 1142 | 4802 | 8033 | 6358 |
| <i>1971 Regional Surplus/Deficit</i> | 3390 | 983 | 3402 | 2484 | 1496 | -813 | 2448 | 4050 | 3914 | 4474 | 5004 | 5520 | 7394 | 6590 |
| <i>1972 Regional Surplus/Deficit</i> | 6635 | 6119 | 5029 | 3255 | 1109 | 598 | 3008 | 4612 | 4480 | 3771 | 4029 | 5349 | 7362 | 6012 |
| <i>1973 Regional Surplus/Deficit</i> | 6470 | 6140 | 5802 | 3236 | 996 | 1118 | 2029 | -1623 | -1456 | -1323 | -1714 | 287 | 4545 | 4056 |
| <i>1974 Regional Surplus/Deficit</i> | 2898 | 378 | 1844 | 2017 | 260 | 2763 | 2669 | 4153 | 5258 | 4558 | 4577 | 4522 | 7429 | 5660 |
| <i>1975 Regional Surplus/Deficit</i> | 6477 | 6141 | 4811 | 2120 | 1018 | -567 | 1793 | 1621 | 3762 | 1651 | 2448 | 4996 | 7782 | 6401 |
| <i>1976 Regional Surplus/Deficit</i> | 4296 | 3874 | 4712 | 4446 | 2636 | 5734 | 3090 | 3937 | 3133 | 5267 | 5044 | 5584 | 7919 | 6285 |
| <i>1977 Regional Surplus/Deficit</i> | 6377 | 6370 | 8880 | 2980 | 944 | -940 | -697 | -2185 | -2820 | -1526 | -3418 | -2468 | 2192 | 1868 |
| <i>1978 Regional Surplus/Deficit</i> | 1662 | 713 | 2204 | 1107 | 71 | -604 | 977 | 1430 | 3245 | 4137 | 2769 | 4887 | 7496 | 6854 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 5596 | 4630 | 5816 | 4870 | 2424 | 4372 | 3000 | 3282 | 3194 | 4665 | 5032 | 5220 | 7808 | 6498 |
| Middle Eighty Percent | 4689 | 3131 | 4090 | 2772 | 945 | 409 | 1030 | 1320 | 1610 | 2535 | 2822 | 4283 | 7130 | 5906 |
| Bottom Ten Percent | 3866 | 2060 | 3170 | 2450 | 904 | -958 | -2232 | -1883 | -1658 | -321 | -2193 | -2163 | 4585 | 3777 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Regional Surplus/Deficit | 5386 | 500 | 3519 | 1846 | 749 | -1582 | -1769 | -2530 | -1330 | -1448 | -2782 | -830 | 7205 | 4251 |
| 1930 Regional Surplus/Deficit | 3034 | 1086 | 3073 | 2286 | 766 | -1103 | -3680 | -1438 | -1514 | -894 | -2322 | -1099 | 5440 | 4407 |
| 1931 Regional Surplus/Deficit | 3555 | 1919 | 2528 | 2223 | 603 | -2014 | -3567 | -2739 | -1966 | -461 | -3071 | -1530 | 4674 | 3634 |
| 1932 Regional Surplus/Deficit | 2114 | 1312 | 2865 | 1527 | 190 | -1849 | -3541 | -3205 | 236 | 3497 | 4204 | 7149 | 8026 | 6154 |
| 1933 Regional Surplus/Deficit | 3309 | 3905 | 4189 | 2289 | -16 | -313 | 1979 | 1493 | -138 | 908 | 1550 | 5594 | 7239 | 5476 |
| 1934 Regional Surplus/Deficit | 5595 | 5114 | 4734 | 3651 | 2711 | 5522 | 1982 | 3468 | 3702 | 3483 | 3920 | 6376 | 4758 | 4690 |
| 1935 Regional Surplus/Deficit | 2381 | 1043 | 2285 | 1704 | -60 | -1669 | 1203 | 3227 | -1495 | 502 | 1860 | 5024 | 7496 | 6037 |
| 1936 Regional Surplus/Deficit | 4811 | 1613 | 3497 | 2075 | 614 | -1396 | -3100 | -2468 | -1735 | -417 | 3401 | 7361 | 7914 | 4437 |
| 1937 Regional Surplus/Deficit | 3874 | 2093 | 3304 | 2152 | 749 | -1317 | -3835 | -2558 | -1999 | -1074 | -2503 | -205 | 5835 | 3481 |
| 1938 Regional Surplus/Deficit | 3350 | 1506 | 3087 | 2425 | 242 | -919 | 1495 | -107 | 2419 | 2683 | 3543 | 7310 | 8146 | 6020 |
| 1939 Regional Surplus/Deficit | 2559 | 1542 | 3689 | 2497 | 589 | -1159 | -531 | -2273 | -323 | 681 | 1477 | 6456 | 5217 | 4908 |
| 1940 Regional Surplus/Deficit | 4148 | 2027 | 3055 | 2526 | 530 | -982 | -1086 | -949 | 2615 | 1224 | 3111 | 5353 | 6057 | 4266 |
| 1941 Regional Surplus/Deficit | 1973 | 474 | 2302 | 2094 | -24 | -899 | -818 | -2260 | -2020 | -1166 | -2989 | 2229 | 5119 | 3246 |
| 1942 Regional Surplus/Deficit | 1661 | 750 | 3570 | 1660 | -310 | 1557 | 1446 | -146 | -2700 | -338 | 677 | 5088 | 8205 | 6618 |
| 1943 Regional Surplus/Deficit | 5217 | 3967 | 3313 | 2229 | 164 | -1084 | 996 | 2456 | 3483 | 4046 | 4251 | 7122 | 8154 | 6362 |
| 1944 Regional Surplus/Deficit | 5463 | 3302 | 3475 | 2102 | 651 | -1242 | -1499 | -2432 | -2801 | -1657 | -3720 | -1291 | 3001 | 2561 |
| 1945 Regional Surplus/Deficit | 1300 | 172 | 2259 | 1258 | 328 | -1880 | -3515 | -2152 | -2209 | -1581 | -3007 | 5049 | 7740 | 4854 |
| 1946 Regional Surplus/Deficit | 2956 | 1453 | 2792 | 1844 | 503 | -1016 | 367 | 476 | 3840 | 3527 | 4403 | 7420 | 8010 | 6560 |
| 1947 Regional Surplus/Deficit | 5460 | 3365 | 4422 | 1947 | 429 | 3619 | 2042 | 3327 | 4079 | 1978 | 2426 | 7206 | 8085 | 6484 |
| 1948 Regional Surplus/Deficit | 4465 | 1513 | 3956 | 5995 | 1683 | 2206 | 2905 | 609 | 2272 | 1633 | 4370 | 7615 | 7986 | 6282 |
| 1949 Regional Surplus/Deficit | 5842 | 5579 | 4754 | 2771 | 440 | -887 | -817 | -18 | 4273 | 2529 | 4434 | 7506 | 8056 | 3103 |
| 1950 Regional Surplus/Deficit | 2575 | 245 | 2292 | 2178 | 373 | -1465 | 84 | 3749 | 4805 | 4163 | 4066 | 6723 | 7170 | 6088 |
| 1951 Regional Surplus/Deficit | 5346 | 4386 | 4450 | 3929 | 2498 | 4608 | 2660 | 3825 | 3786 | 4194 | 4148 | 7164 | 8015 | 6374 |
| 1952 Regional Surplus/Deficit | 5816 | 4408 | 4252 | 5225 | 680 | 2087 | 1783 | 1920 | 1968 | 4587 | 4632 | 7404 | 8440 | 5953 |
| 1953 Regional Surplus/Deficit | 4614 | 1628 | 3587 | 2079 | 807 | -1587 | -752 | 2530 | -274 | 84 | 1513 | 6850 | 8027 | 6470 |
| 1954 Regional Surplus/Deficit | 5462 | 3857 | 4091 | 2612 | 474 | 762 | 468 | 3462 | 2316 | 3164 | 3057 | 7111 | 7060 | 5753 |
| 1955 Regional Surplus/Deficit | 6298 | 6134 | 7706 | 2966 | 872 | 1029 | -905 | -1933 | -2476 | 34 | 677 | 4498 | 7124 | 5208 |
| 1956 Regional Surplus/Deficit | 5744 | 5555 | 3536 | 3337 | 1568 | 4318 | 2554 | 2098 | 4420 | 4166 | 3425 | 7337 | 7262 | 6427 |
| 1957 Regional Surplus/Deficit | 5863 | 4313 | 4186 | 3060 | 407 | 77 | 477 | -652 | 1916 | 3869 | 3471 | 7667 | 7703 | 5623 |
| 1958 Regional Surplus/Deficit | 3425 | 1763 | 3594 | 2261 | 558 | -1412 | -843 | 1923 | 2395 | 1700 | 4004 | 7327 | 8101 | 5579 |
| 1959 Regional Surplus/Deficit | 3368 | 2671 | 3843 | 2176 | 814 | 2732 | 2514 | 3539 | 2497 | 3289 | 2504 | 6499 | 7584 | 6021 |
| 1960 Regional Surplus/Deficit | 5651 | 3780 | 7747 | 6591 | 3132 | 3689 | 2212 | -678 | 1881 | 3774 | 4380 | 5961 | 7924 | 5966 |
| 1961 Regional Surplus/Deficit | 4576 | 1013 | 3968 | 2343 | 286 | -335 | 651 | 2819 | 2861 | 3279 | 1914 | 6640 | 6954 | 5781 |
| 1962 Regional Surplus/Deficit | 3870 | 3025 | 3241 | 2309 | 680 | -1423 | 208 | -569 | -1807 | 4141 | 4055 | 6682 | 8013 | 6254 |
| 1963 Regional Surplus/Deficit | 4783 | 3080 | 3542 | 3275 | 1144 | 2941 | 1800 | 690 | -1062 | 529 | 267 | 7018 | 8270 | 6229 |
| 1964 Regional Surplus/Deficit | 5364 | 3373 | 4293 | 1897 | 584 | -899 | -44 | -580 | -1820 | 1957 | 2152 | 5580 | 7618 | 5734 |
| 1965 Regional Surplus/Deficit | 5771 | 5146 | 5229 | 4065 | 668 | 4160 | 2556 | 4222 | 4164 | 2954 | 4602 | 7121 | 8201 | 6189 |
| 1966 Regional Surplus/Deficit | 5721 | 4517 | 4238 | 3192 | 504 | 402 | 1917 | -801 | -1482 | 4352 | 2504 | 5296 | 7499 | 6215 |
| 1967 Regional Surplus/Deficit | 5557 | 2434 | 3336 | 2124 | 549 | -843 | 2556 | 4115 | 972 | 1199 | -432 | 5978 | 7389 | 6189 |
| 1968 Regional Surplus/Deficit | 5825 | 3369 | 4370 | 2639 | 337 | -514 | 1127 | 2744 | 2221 | -1569 | -905 | 5087 | 7787 | 6458 |
| 1969 Regional Surplus/Deficit | 5775 | 4826 | 6008 | 4205 | 1766 | 2242 | 2694 | 3494 | 1396 | 4219 | 4073 | 7404 | 7895 | 6433 |
| 1970 Regional Surplus/Deficit | 4798 | 2232 | 3848 | 2570 | 752 | -1023 | 569 | 1196 | 322 | -271 | 413 | 6585 | 8262 | 6047 |
| 1971 Regional Surplus/Deficit | 3105 | 698 | 3168 | 2206 | 1141 | -1170 | 2000 | 3648 | 3512 | 3744 | 4276 | 7303 | 7623 | 6279 |
| 1972 Regional Surplus/Deficit | 6349 | 5834 | 4795 | 2977 | 753 | 241 | 2561 | 4210 | 4077 | 3042 | 3301 | 7132 | 7591 | 5702 |
| 1973 Regional Surplus/Deficit | 6184 | 5855 | 5568 | 2958 | 641 | 761 | 1582 | -2026 | -1858 | -2053 | -2442 | 2070 | 4774 | 3746 |
| 1974 Regional Surplus/Deficit | 2612 | 93 | 1610 | 1739 | -95 | 2406 | 2222 | 3751 | 4855 | 3829 | 3849 | 6305 | 7658 | 5349 |
| 1975 Regional Surplus/Deficit | 6191 | 5856 | 4577 | 1842 | 663 | -924 | 1345 | 1219 | 3360 | 922 | 1720 | 6780 | 8010 | 6090 |
| 1976 Regional Surplus/Deficit | 4010 | 3589 | 4478 | 4167 | 2281 | 5377 | 2642 | 3534 | 2731 | 4537 | 4316 | 7368 | 8147 | 5974 |
| 1977 Regional Surplus/Deficit | 6091 | 6085 | 8647 | 2702 | 589 | -1297 | -1145 | -2588 | -3222 | -2256 | -4146 | -685 | 2421 | 1557 |
| 1978 Regional Surplus/Deficit | 1377 | 428 | 1970 | 829 | -284 | -961 | 530 | 1027 | 2843 | 3407 | 2041 | 6671 | 7724 | 6543 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 5310 | 4345 | 5582 | 4592 | 2069 | 4015 | 2553 | 2879 | 2792 | 3936 | 4304 | 7003 | 8036 | 6187 |
| Middle Eighty Percent | 4403 | 2846 | 3856 | 2493 | 590 | 52 | 583 | 917 | 1208 | 1805 | 2094 | 6066 | 7359 | 5595 |
| Bottom Ten Percent | 3580 | 1775 | 2936 | 2171 | 549 | -1315 | -2680 | -2285 | -2060 | -1050 | -2921 | -379 | 4814 | 3466 |

Table A-30: Regional Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Regional Surplus/Deficit | 5087 | 203 | 3273 | 1590 | 315 | -2003 | -2155 | -2925 | -1681 | -1352 | -2684 | -2005 | 6247 | 3877 |
| 1930 Regional Surplus/Deficit | 2734 | 789 | 2827 | 2029 | 332 | -1525 | -4067 | -1833 | -1865 | -797 | -2224 | -2274 | 4482 | 4033 |
| 1931 Regional Surplus/Deficit | 3256 | 1622 | 2282 | 1966 | 169 | -2436 | -3954 | -3134 | -2317 | -364 | -2974 | -2705 | 3716 | 3260 |
| 1932 Regional Surplus/Deficit | 1815 | 1014 | 2619 | 1270 | -244 | -2270 | -3928 | -3600 | -115 | 3593 | 4302 | 5973 | 7068 | 5780 |
| 1933 Regional Surplus/Deficit | 3010 | 3608 | 3943 | 2033 | -450 | -734 | 1592 | 1098 | -489 | 1004 | 1647 | 4418 | 6281 | 5102 |
| 1934 Regional Surplus/Deficit | 5296 | 4816 | 4488 | 3395 | 2277 | 5101 | 1595 | 3072 | 3351 | 3579 | 4018 | 5201 | 3800 | 4316 |
| 1935 Regional Surplus/Deficit | 2081 | 745 | 2039 | 1448 | -494 | -2090 | 816 | 2832 | -1846 | 598 | 1958 | 3848 | 6538 | 5663 |
| 1936 Regional Surplus/Deficit | 4512 | 1316 | 3251 | 1818 | 180 | -1817 | -3487 | -2863 | -2086 | -320 | 3499 | 6185 | 6956 | 4063 |
| 1937 Regional Surplus/Deficit | 3575 | 1795 | 3058 | 1895 | 315 | -1738 | -4222 | -2953 | -2350 | -978 | -2405 | -1381 | 4877 | 3107 |
| 1938 Regional Surplus/Deficit | 3051 | 1208 | 2841 | 2168 | -192 | -1341 | 1108 | -502 | 2067 | 2780 | 3641 | 6134 | 7188 | 5646 |
| 1939 Regional Surplus/Deficit | 2260 | 1244 | 3443 | 2241 | 155 | -1580 | -918 | -2669 | -674 | 778 | 1575 | 5280 | 4259 | 4534 |
| 1940 Regional Surplus/Deficit | 3849 | 1730 | 2809 | 2270 | 96 | -1403 | -1473 | -1344 | 2264 | 1320 | 3208 | 4177 | 5099 | 3892 |
| 1941 Regional Surplus/Deficit | 1674 | 177 | 2056 | 1838 | -458 | -1321 | -1205 | -2655 | -2371 | -1070 | -2891 | 1053 | 4161 | 2872 |
| 1942 Regional Surplus/Deficit | 1362 | 453 | 3324 | 1404 | -744 | 1136 | 1059 | -542 | -3051 | -242 | 774 | 3913 | 7247 | 6244 |
| 1943 Regional Surplus/Deficit | 4918 | 3670 | 3067 | 1973 | -270 | -1506 | 609 | 2061 | 3132 | 4142 | 4349 | 5947 | 7196 | 5989 |
| 1944 Regional Surplus/Deficit | 5164 | 3004 | 3229 | 1845 | 217 | -1663 | -1886 | -2828 | -3152 | -1560 | -3622 | -2467 | 2043 | 2187 |
| 1945 Regional Surplus/Deficit | 1001 | -125 | 2013 | 1002 | -106 | -2301 | -3902 | -2547 | -2560 | -1485 | -2910 | 3873 | 6782 | 4480 |
| 1946 Regional Surplus/Deficit | 2656 | 1156 | 2546 | 1587 | 69 | -1437 | -20 | 81 | 3489 | 3623 | 4501 | 6244 | 7052 | 6187 |
| 1947 Regional Surplus/Deficit | 5160 | 3067 | 4176 | 1690 | -4.5 | 3197 | 1655 | 2931 | 3727 | 2075 | 2524 | 6030 | 7127 | 6110 |
| 1948 Regional Surplus/Deficit | 4166 | 1215 | 3710 | 5739 | 1249 | 1785 | 2518 | 214 | 1921 | 1730 | 4468 | 6440 | 7028 | 5908 |
| 1949 Regional Surplus/Deficit | 5543 | 5281 | 4508 | 2515 | 6.5 | -1309 | -1204 | -414 | 3922 | 2625 | 4532 | 6331 | 7098 | 2729 |
| 1950 Regional Surplus/Deficit | 2275 | -52 | 2046 | 1921 | -61 | -1887 | -303 | 3353 | 4454 | 4260 | 4164 | 5547 | 6212 | 5714 |
| 1951 Regional Surplus/Deficit | 5046 | 4088 | 4204 | 3673 | 2064 | 4186 | 2273 | 3430 | 3435 | 4291 | 4246 | 5988 | 7056 | 6000 |
| 1952 Regional Surplus/Deficit | 5517 | 4110 | 4006 | 4968 | 246 | 1665 | 1396 | 1525 | 1617 | 4683 | 4730 | 6228 | 7482 | 5579 |
| 1953 Regional Surplus/Deficit | 4315 | 1331 | 3341 | 1823 | 373 | -2008 | -1138 | 2135 | -625 | 180 | 1611 | 5675 | 7069 | 6096 |
| 1954 Regional Surplus/Deficit | 5163 | 3559 | 3845 | 2355 | 40 | 341 | 81 | 3066 | 1965 | 3260 | 3155 | 5935 | 6102 | 5379 |
| 1955 Regional Surplus/Deficit | 5999 | 5837 | 7460 | 2709 | 438 | 607 | -1292 | -2329 | -2827 | 131 | 775 | 3323 | 6166 | 4834 |
| 1956 Regional Surplus/Deficit | 5445 | 5258 | 3290 | 3081 | 1134 | 3897 | 2167 | 1703 | 4069 | 4263 | 3523 | 6162 | 6304 | 6053 |
| 1957 Regional Surplus/Deficit | 5564 | 4016 | 3940 | 2804 | -27 | -344 | 90 | -1047 | 1565 | 3966 | 3568 | 6491 | 6745 | 5249 |
| 1958 Regional Surplus/Deficit | 3125 | 1466 | 3348 | 2004 | 125 | -1833 | -1230 | 1527 | 2044 | 1796 | 4102 | 6152 | 7143 | 5205 |
| 1959 Regional Surplus/Deficit | 3068 | 2373 | 3597 | 1920 | 380 | 2311 | 2127 | 3143 | 2146 | 3386 | 2601 | 5323 | 6626 | 5647 |
| 1960 Regional Surplus/Deficit | 5352 | 3483 | 7501 | 6335 | 2698 | 3267 | 1825 | -1074 | 1530 | 3870 | 4478 | 4785 | 6966 | 5592 |
| 1961 Regional Surplus/Deficit | 4277 | 716 | 3722 | 2086 | -148 | -756 | 264 | 2424 | 2510 | 3376 | 2011 | 5464 | 5996 | 5407 |
| 1962 Regional Surplus/Deficit | 3571 | 2728 | 2995 | 2053 | 246 | -1844 | -179 | -964 | -2158 | 4237 | 4153 | 5506 | 7055 | 5880 |
| 1963 Regional Surplus/Deficit | 4483 | 2783 | 3296 | 3019 | 710 | 2519 | 1414 | 295 | -1413 | 626 | 365 | 5842 | 7312 | 5855 |
| 1964 Regional Surplus/Deficit | 5065 | 3075 | 4047 | 1640 | 151 | -1321 | -430 | -976 | -2171 | 2053 | 2249 | 4405 | 6660 | 5360 |
| 1965 Regional Surplus/Deficit | 5471 | 4848 | 4983 | 3809 | 234 | 3738 | 2169 | 3826 | 3813 | 3050 | 4700 | 5945 | 7243 | 5815 |
| 1966 Regional Surplus/Deficit | 5421 | 4219 | 3992 | 2936 | 70 | -19 | 1530 | -1197 | -1833 | 4448 | 2602 | 4121 | 6541 | 5841 |
| 1967 Regional Surplus/Deficit | 5257 | 2137 | 3090 | 1867 | 116 | -1265 | 2169 | 3720 | 621 | 1296 | -334 | 4802 | 6431 | 5815 |
| 1968 Regional Surplus/Deficit | 5526 | 3071 | 4124 | 2383 | -97 | -935 | 740 | 2348 | 1870 | -1473 | -808 | 3912 | 6829 | 6084 |
| 1969 Regional Surplus/Deficit | 5475 | 4529 | 5762 | 3949 | 1332 | 1821 | 2307 | 3098 | 1045 | 4315 | 4171 | 6228 | 6937 | 6059 |
| 1970 Regional Surplus/Deficit | 4499 | 1935 | 3602 | 2314 | 318 | -1444 | 182 | 801 | -29 | -175 | 511 | 5410 | 7304 | 5673 |
| 1971 Regional Surplus/Deficit | 2805 | 401 | 2922 | 1950 | 707 | -1592 | 1614 | 3252 | 3161 | 3841 | 4374 | 6128 | 6665 | 5905 |
| 1972 Regional Surplus/Deficit | 6050 | 5536 | 4549 | 2720 | 320 | -181 | 2174 | 3815 | 3726 | 3138 | 3399 | 5957 | 6633 | 5328 |
| 1973 Regional Surplus/Deficit | 5885 | 5557 | 5322 | 2701 | 207 | 339 | 1195 | -2421 | -2209 | -1956 | -2344 | 895 | 3816 | 3372 |
| 1974 Regional Surplus/Deficit | 2313 | -204 | 1364 | 1483 | -529 | 1985 | 1835 | 3355 | 4504 | 3925 | 3946 | 5130 | 6700 | 4975 |
| 1975 Regional Surplus/Deficit | 5892 | 5559 | 4331 | 1585 | 229 | -1345 | 958 | 824 | 3009 | 1018 | 1818 | 5604 | 7052 | 5716 |
| 1976 Regional Surplus/Deficit | 3711 | 3292 | 4232 | 3911 | 1847 | 4955 | 2256 | 3139 | 2380 | 4634 | 4414 | 6192 | 7189 | 5600 |
| 1977 Regional Surplus/Deficit | 5792 | 5787 | 8401 | 2446 | 155 | -1719 | -1532 | -2983 | -3573 | -2159 | -4049 | -1860 | 1463 | 1183 |
| 1978 Regional Surplus/Deficit | 1077 | 131 | 1724 | 573 | -718 | -1383 | 143 | 632 | 2492 | 3504 | 2139 | 5495 | 6766 | 6169 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 5011 | 4048 | 5336 | 4335 | 1635 | 3594 | 2166 | 2484 | 2441 | 4032 | 4402 | 5828 | 7078 | 5813 |
| Middle Eighty Percent | 4104 | 2548 | 3610 | 2237 | 156 | -370 | 196 | 522 | 857 | 1902 | 2192 | 4891 | 6401 | 5221 |
| Bottom Ten Percent | 3281 | 1478 | 2690 | 1915 | 115 | -1737 | -3067 | -2681 | -2411 | -954 | -2823 | -1555 | 3856 | 3092 |

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Section 13
 Monthly A-Tables
 OY 2008 – 2017
 1-Hour Capacity in Megawatts

| | <u>Table Number</u> |
|--|---------------------|
| Total Retail Loads | A-1 |
| Exports | A-2 |
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| Independent Hydro | A-4 |
| Imports | A-5 |
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| Cogeneration | A-9 |
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| Restoration | A-11 ¹ |
| Canadian Entitlement Return for CSPE | A-12 ² |
| Columbia Storage Power Exchange Purchase (CSPE) | A-13 ² |
| Supplemental & Entitlement Capacity | A-14 ² |
| Canadian Entitlement Return for Canada | A-15 |
| Intra-Regional Transfers | A-16 |
| Capacity Reserves | A-17 |
| Wells & Chelan Allocation | A-18 |
| Rocky Reach & Rock Island Allocation | A-19 |
| Wanapum & Priest Rapids Allocation | A-20 |
| Swift #1 & Swift #2 Allocation | A-21 |
| BPA Power Sale Contracts | A-22 |
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| Dedicated Resources | A-26 |
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¹ Restoration was tied to the multi-year critical period studies. BPA uses a 1-year critical period for planning making Restoration adjustments obsolete.

² Table is obsolete due to expiration of contract on March 31, 2003.

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Table A-1
Total Retail Loads
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 216 |
| 2 Total Federal Entities | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 216 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 588 | 588 | 588 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 6 Total Direct Service Industry | 588 | 588 | 588 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6145 | 6145 | 6293 | 7230 | 8051 | 8845 | 9016 | 8766 | 7972 | 7351 | 7351 | 6918 | 6373 | 6430 |
| 8 Total Generating Public Entities | 6145 | 6145 | 6293 | 7230 | 8051 | 8845 | 9016 | 8766 | 7972 | 7351 | 7351 | 6918 | 6373 | 6430 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 4961 | 4961 | 4671 | 5274 | 5671 | 5926 | 6229 | 5989 | 5510 | 5152 | 5152 | 5003 | 5034 | 5234 |
| 10 Total Non-Generating Public Entities | 4961 | 4961 | 4671 | 5274 | 5671 | 5926 | 6229 | 5989 | 5510 | 5152 | 5152 | 5003 | 5034 | 5234 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 14565 | 14553 | 13232 | 13896 | 15692 | 16744 | 17119 | 16372 | 14879 | 13659 | 13635 | 13390 | 13968 | 14804 |
| 12 Total Investor-Owned Entities | 14565 | 14553 | 13232 | 13896 | 15692 | 16744 | 17119 | 16372 | 14879 | 13659 | 13635 | 13390 | 13968 | 14804 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 352 | 352 | 333 | 333 | 338 | 349 | 356 | 344 | 338 | 326 | 326 | 327 | 343 | 359 |
| 14 Total Other Firm Loads | 352 | 352 | 333 | 333 | 338 | 349 | 356 | 344 | 338 | 326 | 326 | 327 | 343 | 359 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 467 | 474 | 394 | 269 | 242 | 228 | 256 | 242 | 256 | 439 | 475 | 491 | 484 | 486 |
| 16 Direct Service Industry | 588 | 588 | 588 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 17 Public Entities | 11106 | 11106 | 10964 | 12504 | 13722 | 14771 | 15244 | 14755 | 13482 | 12503 | 12503 | 11921 | 11407 | 11664 |
| 18 Investor-Owned Entities | 14565 | 14553 | 13232 | 13896 | 15692 | 16744 | 17119 | 16372 | 14879 | 13659 | 13635 | 13390 | 13968 | 14804 |
| 19 Other Entities | 352 | 352 | 333 | 333 | 338 | 349 | 356 | 344 | 338 | 326 | 326 | 327 | 343 | 359 |
| 20 Total Regional Firm Loads | 27079 | 27073 | 25511 | 27640 | 30632 | 32729 | 33614 | 32350 | 29593 | 27565 | 27576 | 26767 | 26840 | 27951 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 467 | 474 | 394 | 269 | 242 | 228 | 256 | 242 | 256 | 439 | 475 | 491 | 484 | 486 |
| 30 Direct Service Industry | 588 | 588 | 588 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 31 Public Entities | 11106 | 11106 | 10964 | 12504 | 13722 | 14771 | 15244 | 14755 | 13482 | 12503 | 12503 | 11921 | 11407 | 11664 |
| 32 Investor-Owned Entities | 14565 | 14553 | 13246 | 13896 | 15692 | 16744 | 17123 | 16395 | 14933 | 13693 | 13669 | 13390 | 13968 | 14804 |
| 33 Other Entities | 352 | 352 | 333 | 333 | 338 | 349 | 356 | 344 | 338 | 326 | 326 | 327 | 343 | 359 |
| 34 Total Regional Loads | 27079 | 27073 | 25526 | 27640 | 30632 | 32729 | 33618 | 32373 | 29647 | 27598 | 27610 | 26767 | 26840 | 27951 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| 2 Total Federal Entities | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 6 Total Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6351 | 6351 | 6509 | 7453 | 8279 | 9054 | 9210 | 8955 | 8142 | 7486 | 7486 | 7037 | 6477 | 6531 |
| 8 Total Generating Public Entities | 6351 | 6351 | 6509 | 7453 | 8279 | 9054 | 9210 | 8955 | 8142 | 7486 | 7486 | 7037 | 6477 | 6531 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5100 | 5100 | 4803 | 5417 | 5813 | 6077 | 6390 | 6152 | 5646 | 5276 | 5276 | 5123 | 5160 | 5369 |
| 10 Total Non-Generating Public Entities | 5100 | 5100 | 4803 | 5417 | 5813 | 6077 | 6390 | 6152 | 5646 | 5276 | 5276 | 5123 | 5160 | 5369 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 14834 | 14822 | 13407 | 14040 | 15869 | 17173 | 17331 | 16538 | 15010 | 13797 | 13772 | 13497 | 14280 | 15175 |
| 12 Total Investor-Owned Entities | 14834 | 14822 | 13407 | 14040 | 15869 | 17173 | 17331 | 16538 | 15010 | 13797 | 13772 | 13497 | 14280 | 15175 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 351 | 351 | 332 | 333 | 338 | 349 | 355 | 342 | 337 | 325 | 325 | 326 | 342 | 358 |
| 14 Total Other Firm Loads | 351 | 351 | 332 | 333 | 338 | 349 | 355 | 342 | 337 | 325 | 325 | 326 | 342 | 358 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 486 | 493 | 405 | 293 | 268 | 250 | 285 | 267 | 279 | 459 | 495 | 508 | 508 | 508 |
| 16 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 17 Public Entities | 11452 | 11452 | 11312 | 12869 | 14092 | 15131 | 15600 | 15106 | 13788 | 12762 | 12762 | 12159 | 11637 | 11899 |
| 18 Investor-Owned Entities | 14834 | 14822 | 13407 | 14040 | 15869 | 17173 | 17331 | 16538 | 15010 | 13797 | 13772 | 13497 | 14280 | 15175 |
| 19 Other Entities | 351 | 351 | 332 | 333 | 338 | 349 | 355 | 342 | 337 | 325 | 325 | 326 | 342 | 358 |
| 20 Total Regional Firm Loads | 27762 | 27756 | 26094 | 28172 | 31205 | 33540 | 34208 | 32892 | 30051 | 27980 | 27992 | 27128 | 27405 | 28579 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 486 | 493 | 405 | 293 | 268 | 250 | 285 | 267 | 279 | 459 | 495 | 508 | 508 | 508 |
| 30 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 31 Public Entities | 11452 | 11452 | 11312 | 12869 | 14092 | 15131 | 15600 | 15106 | 13788 | 12762 | 12762 | 12159 | 11637 | 11899 |
| 32 Investor-Owned Entities | 14834 | 14822 | 13422 | 14040 | 15869 | 17173 | 17334 | 16561 | 15064 | 13830 | 13806 | 13497 | 14280 | 15175 |
| 33 Other Entities | 351 | 351 | 332 | 333 | 338 | 349 | 355 | 342 | 337 | 325 | 325 | 326 | 342 | 358 |
| 34 Total Regional Loads | 27762 | 27756 | 26109 | 28172 | 31205 | 33540 | 34212 | 32915 | 30106 | 28014 | 28026 | 27128 | 27405 | 28579 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 302 | 302 | 218 | 258 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| 2 Total Federal Entities | 302 | 302 | 218 | 258 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 6 Total Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6447 | 6447 | 6605 | 7571 | 8405 | 9185 | 9343 | 9086 | 8262 | 7595 | 7595 | 7140 | 6575 | 6629 |
| 8 Total Generating Public Entities | 6447 | 6447 | 6605 | 7571 | 8405 | 9185 | 9343 | 9086 | 8262 | 7595 | 7595 | 7140 | 6575 | 6629 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5233 | 5233 | 4928 | 5521 | 5924 | 6192 | 6511 | 6268 | 5760 | 5385 | 5385 | 5225 | 5264 | 5480 |
| 10 Total Non-Generating Public Entities | 5233 | 5233 | 4928 | 5521 | 5924 | 6192 | 6511 | 6268 | 5760 | 5385 | 5385 | 5225 | 5264 | 5480 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 15036 | 15023 | 13594 | 14218 | 16061 | 17390 | 17544 | 16725 | 15189 | 13956 | 13932 | 13686 | 14487 | 15391 |
| 12 Total Investor-Owned Entities | 15036 | 15023 | 13594 | 14218 | 16061 | 17390 | 17544 | 16725 | 15189 | 13956 | 13932 | 13686 | 14487 | 15391 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 351 | 351 | 332 | 332 | 337 | 348 | 355 | 342 | 337 | 324 | 324 | 326 | 342 | 358 |
| 14 Total Other Firm Loads | 351 | 351 | 332 | 332 | 337 | 348 | 355 | 342 | 337 | 324 | 324 | 326 | 342 | 358 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 522 | 529 | 423 | 295 | 270 | 251 | 287 | 269 | 281 | 460 | 497 | 509 | 510 | 510 |
| 16 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 17 Public Entities | 11680 | 11680 | 11533 | 13092 | 14329 | 15377 | 15853 | 15354 | 14022 | 12981 | 12981 | 12365 | 11839 | 12109 |
| 18 Investor-Owned Entities | 15036 | 15023 | 13594 | 14218 | 16061 | 17390 | 17544 | 16725 | 15189 | 13956 | 13932 | 13686 | 14487 | 15391 |
| 19 Other Entities | 351 | 351 | 332 | 332 | 337 | 348 | 355 | 342 | 337 | 324 | 324 | 326 | 342 | 358 |
| 20 Total Regional Firm Loads | 28228 | 28221 | 26520 | 28574 | 31636 | 34004 | 34677 | 33328 | 30466 | 28360 | 28371 | 27524 | 27816 | 29007 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 522 | 529 | 423 | 295 | 270 | 251 | 287 | 269 | 281 | 460 | 497 | 509 | 510 | 510 |
| 30 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 31 Public Entities | 11680 | 11680 | 11533 | 13092 | 14329 | 15377 | 15853 | 15354 | 14022 | 12981 | 12981 | 12365 | 11839 | 12109 |
| 32 Investor-Owned Entities | 15036 | 15023 | 13609 | 14218 | 16061 | 17390 | 17548 | 16748 | 15243 | 13990 | 13966 | 13686 | 14487 | 15391 |
| 33 Other Entities | 351 | 351 | 332 | 332 | 337 | 348 | 355 | 342 | 337 | 324 | 324 | 326 | 342 | 358 |
| 34 Total Regional Loads | 28228 | 28221 | 26534 | 28574 | 31636 | 34004 | 34680 | 33351 | 30521 | 28394 | 28405 | 27524 | 27816 | 29007 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 242 |
| 2 Total Federal Entities | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 242 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 6 Total Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6544 | 6544 | 6694 | 7652 | 8499 | 9289 | 9444 | 9185 | 8349 | 7673 | 7673 | 7214 | 6641 | 6696 |
| 8 Total Generating Public Entities | 6544 | 6544 | 6694 | 7652 | 8499 | 9289 | 9444 | 9185 | 8349 | 7673 | 7673 | 7214 | 6641 | 6696 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5342 | 5342 | 5034 | 5613 | 6017 | 6288 | 6613 | 6367 | 5851 | 5470 | 5470 | 5302 | 5344 | 5567 |
| 10 Total Non-Generating Public Entities | 5342 | 5342 | 5034 | 5613 | 6017 | 6288 | 6613 | 6367 | 5851 | 5470 | 5470 | 5302 | 5344 | 5567 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 15263 | 15248 | 13774 | 14410 | 16270 | 17614 | 17754 | 16911 | 15388 | 14109 | 14084 | 13859 | 14683 | 15623 |
| 12 Total Investor-Owned Entities | 15263 | 15248 | 13774 | 14410 | 16270 | 17614 | 17754 | 16911 | 15388 | 14109 | 14084 | 13859 | 14683 | 15623 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 352 | 352 | 333 | 333 | 338 | 348 | 356 | 343 | 338 | 325 | 325 | 327 | 343 | 360 |
| 14 Total Other Firm Loads | 352 | 352 | 333 | 333 | 338 | 348 | 356 | 343 | 338 | 325 | 325 | 327 | 343 | 360 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 524 | 531 | 425 | 296 | 272 | 253 | 289 | 271 | 283 | 462 | 498 | 511 | 511 | 512 |
| 16 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 17 Public Entities | 11886 | 11886 | 11728 | 13264 | 14516 | 15576 | 16057 | 15552 | 14201 | 13143 | 13143 | 12516 | 11986 | 12263 |
| 18 Investor-Owned Entities | 15263 | 15248 | 13774 | 14410 | 16270 | 17614 | 17754 | 16911 | 15388 | 14109 | 14084 | 13859 | 14683 | 15623 |
| 19 Other Entities | 352 | 352 | 333 | 333 | 338 | 348 | 356 | 343 | 338 | 325 | 325 | 327 | 343 | 360 |
| 20 Total Regional Firm Loads | 28663 | 28655 | 26898 | 28941 | 32034 | 34430 | 35094 | 33716 | 30847 | 28677 | 28689 | 27850 | 28161 | 29395 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 524 | 531 | 425 | 296 | 272 | 253 | 289 | 271 | 283 | 462 | 498 | 511 | 511 | 512 |
| 30 Direct Service Industry | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 | 638 |
| 31 Public Entities | 11886 | 11886 | 11728 | 13264 | 14516 | 15576 | 16057 | 15552 | 14201 | 13143 | 13143 | 12516 | 11986 | 12263 |
| 32 Investor-Owned Entities | 15263 | 15248 | 13788 | 14410 | 16270 | 17614 | 17758 | 16934 | 15443 | 14143 | 14118 | 13859 | 14683 | 15623 |
| 33 Other Entities | 352 | 352 | 333 | 333 | 338 | 348 | 356 | 343 | 338 | 325 | 325 | 327 | 343 | 360 |
| 34 Total Regional Loads | 28663 | 28655 | 26912 | 28941 | 32034 | 34430 | 35098 | 33739 | 30902 | 28711 | 28723 | 27850 | 28161 | 29395 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 305 | 305 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| 2 Total Federal Entities | 305 | 305 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 638 | 638 | 638 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 638 | 638 | 638 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6610 | 6610 | 6761 | 7740 | 8597 | 9397 | 9560 | 9298 | 8464 | 7776 | 7776 | 7312 | 6732 | 6788 |
| 8 Total Generating Public Entities | 6610 | 6610 | 6761 | 7740 | 8597 | 9397 | 9560 | 9298 | 8464 | 7776 | 7776 | 7312 | 6732 | 6788 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5424 | 5424 | 5113 | 5704 | 6116 | 6389 | 6735 | 6480 | 5961 | 5568 | 5568 | 5393 | 5438 | 5664 |
| 10 Total Non-Generating Public Entities | 5424 | 5424 | 5113 | 5704 | 6116 | 6389 | 6735 | 6480 | 5961 | 5568 | 5568 | 5393 | 5438 | 5664 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 15448 | 15434 | 13948 | 14566 | 16459 | 17749 | 17908 | 17074 | 15571 | 14260 | 14236 | 14103 | 14814 | 15859 |
| 12 Total Investor-Owned Entities | 15448 | 15434 | 13948 | 14566 | 16459 | 17749 | 17908 | 17074 | 15571 | 14260 | 14236 | 14103 | 14814 | 15859 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 353 | 353 | 334 | 334 | 339 | 349 | 358 | 345 | 339 | 327 | 327 | 328 | 345 | 362 |
| 14 Total Other Firm Loads | 353 | 353 | 334 | 334 | 339 | 349 | 358 | 345 | 339 | 327 | 327 | 328 | 345 | 362 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 525 | 532 | 426 | 299 | 274 | 256 | 291 | 274 | 285 | 464 | 500 | 513 | 513 | 514 |
| 16 Direct Service Industry | 638 | 638 | 638 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12034 | 12034 | 11874 | 13445 | 14712 | 15786 | 16294 | 15778 | 14425 | 13344 | 13344 | 12706 | 12170 | 12452 |
| 18 Investor-Owned Entities | 15448 | 15434 | 13948 | 14566 | 16459 | 17749 | 17908 | 17074 | 15571 | 14260 | 14236 | 14103 | 14814 | 15859 |
| 19 Other Entities | 353 | 353 | 334 | 334 | 339 | 349 | 358 | 345 | 339 | 327 | 327 | 328 | 345 | 362 |
| 20 Total Regional Firm Loads | 28999 | 28991 | 27220 | 29311 | 32453 | 34809 | 35519 | 34138 | 31288 | 29063 | 29074 | 28318 | 28510 | 29854 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 525 | 532 | 426 | 299 | 274 | 256 | 291 | 274 | 285 | 464 | 500 | 513 | 513 | 514 |
| 30 Direct Service Industry | 638 | 638 | 638 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12034 | 12034 | 11874 | 13445 | 14712 | 15786 | 16294 | 15778 | 14425 | 13344 | 13344 | 12706 | 12170 | 12452 |
| 32 Investor-Owned Entities | 15448 | 15434 | 13962 | 14566 | 16459 | 17749 | 17911 | 17097 | 15626 | 14294 | 14269 | 14103 | 14814 | 15859 |
| 33 Other Entities | 353 | 353 | 334 | 334 | 339 | 349 | 358 | 345 | 339 | 327 | 327 | 328 | 345 | 362 |
| 34 Total Regional Loads | 28999 | 28991 | 27234 | 29311 | 32453 | 34809 | 35522 | 34161 | 31343 | 29097 | 29108 | 28318 | 28510 | 29854 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| 2 Total Federal Entities | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6699 | 6699 | 6851 | 7831 | 8697 | 9507 | 9674 | 9409 | 8546 | 7848 | 7848 | 7380 | 6792 | 6846 |
| 8 Total Generating Public Entities | 6699 | 6699 | 6851 | 7831 | 8697 | 9507 | 9674 | 9409 | 8546 | 7848 | 7848 | 7380 | 6792 | 6846 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5516 | 5516 | 5203 | 5762 | 6177 | 6452 | 6833 | 6581 | 6049 | 5649 | 5649 | 5468 | 5514 | 5747 |
| 10 Total Non-Generating Public Entities | 5516 | 5516 | 5203 | 5762 | 6177 | 6452 | 6833 | 6581 | 6049 | 5649 | 5649 | 5468 | 5514 | 5747 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 15675 | 15661 | 14133 | 14736 | 16622 | 17965 | 18088 | 17254 | 15726 | 14426 | 14401 | 14291 | 15024 | 16088 |
| 12 Total Investor-Owned Entities | 15675 | 15661 | 14133 | 14736 | 16622 | 17965 | 18088 | 17254 | 15726 | 14426 | 14401 | 14291 | 15024 | 16088 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 355 | 355 | 336 | 335 | 340 | 351 | 359 | 347 | 341 | 328 | 328 | 330 | 347 | 364 |
| 14 Total Other Firm Loads | 355 | 355 | 336 | 335 | 340 | 351 | 359 | 347 | 341 | 328 | 328 | 330 | 347 | 364 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 528 | 535 | 428 | 299 | 275 | 256 | 293 | 275 | 287 | 466 | 502 | 514 | 514 | 515 |
| 16 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12215 | 12215 | 12054 | 13593 | 14874 | 15959 | 16507 | 15991 | 14596 | 13497 | 13497 | 12848 | 12306 | 12593 |
| 18 Investor-Owned Entities | 15675 | 15661 | 14133 | 14736 | 16622 | 17965 | 18088 | 17254 | 15726 | 14426 | 14401 | 14291 | 15024 | 16088 |
| 19 Other Entities | 355 | 355 | 336 | 335 | 340 | 351 | 359 | 347 | 341 | 328 | 328 | 330 | 347 | 364 |
| 20 Total Regional Firm Loads | 29441 | 29433 | 27619 | 29631 | 32779 | 35199 | 35914 | 34534 | 31617 | 29384 | 29396 | 28651 | 28859 | 30228 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 528 | 535 | 428 | 299 | 275 | 256 | 293 | 275 | 287 | 466 | 502 | 514 | 514 | 515 |
| 30 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12215 | 12215 | 12054 | 13593 | 14874 | 15959 | 16507 | 15991 | 14596 | 13497 | 13497 | 12848 | 12306 | 12593 |
| 32 Investor-Owned Entities | 15675 | 15661 | 14148 | 14736 | 16622 | 17965 | 18091 | 17277 | 15780 | 14460 | 14435 | 14291 | 15024 | 16088 |
| 33 Other Entities | 355 | 355 | 336 | 335 | 340 | 351 | 359 | 347 | 341 | 328 | 328 | 330 | 347 | 364 |
| 34 Total Regional Loads | 29441 | 29433 | 27633 | 29631 | 32779 | 35199 | 35918 | 34557 | 31671 | 29418 | 29429 | 28651 | 28859 | 30228 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| 2 Total Federal Entities | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6756 | 6756 | 6910 | 7929 | 8806 | 9628 | 9798 | 9531 | 8654 | 7945 | 7945 | 7472 | 6876 | 6930 |
| 8 Total Generating Public Entities | 6756 | 6756 | 6910 | 7929 | 8806 | 9628 | 9798 | 9531 | 8654 | 7945 | 7945 | 7472 | 6876 | 6930 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5598 | 5598 | 5283 | 5852 | 6275 | 6551 | 6940 | 6684 | 6145 | 5736 | 5736 | 5548 | 5597 | 5836 |
| 10 Total Non-Generating Public Entities | 5598 | 5598 | 5283 | 5852 | 6275 | 6551 | 6940 | 6684 | 6145 | 5736 | 5736 | 5548 | 5597 | 5836 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 15897 | 15883 | 14326 | 14909 | 16805 | 18180 | 18294 | 17450 | 15904 | 14596 | 14571 | 14493 | 15236 | 16320 |
| 12 Total Investor-Owned Entities | 15897 | 15883 | 14326 | 14909 | 16805 | 18180 | 18294 | 17450 | 15904 | 14596 | 14571 | 14493 | 15236 | 16320 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 358 | 358 | 338 | 337 | 342 | 353 | 361 | 348 | 342 | 330 | 330 | 331 | 349 | 367 |
| 14 Total Other Firm Loads | 358 | 358 | 338 | 337 | 342 | 353 | 361 | 348 | 342 | 330 | 330 | 331 | 349 | 367 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 529 | 536 | 430 | 300 | 276 | 257 | 295 | 277 | 289 | 467 | 503 | 516 | 516 | 517 |
| 16 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12354 | 12354 | 12193 | 13782 | 15081 | 16179 | 16738 | 16215 | 14799 | 13681 | 13681 | 13020 | 12473 | 12767 |
| 18 Investor-Owned Entities | 15897 | 15883 | 14326 | 14909 | 16805 | 18180 | 18294 | 17450 | 15904 | 14596 | 14571 | 14493 | 15236 | 16320 |
| 19 Other Entities | 358 | 358 | 338 | 337 | 342 | 353 | 361 | 348 | 342 | 330 | 330 | 331 | 349 | 367 |
| 20 Total Regional Firm Loads | 29806 | 29798 | 27954 | 29995 | 33172 | 35638 | 36356 | 34958 | 32001 | 29742 | 29753 | 29028 | 29242 | 30638 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 529 | 536 | 430 | 300 | 276 | 257 | 295 | 277 | 289 | 467 | 503 | 516 | 516 | 517 |
| 30 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12354 | 12354 | 12193 | 13782 | 15081 | 16179 | 16738 | 16215 | 14799 | 13681 | 13681 | 13020 | 12473 | 12767 |
| 32 Investor-Owned Entities | 15897 | 15883 | 14340 | 14909 | 16805 | 18180 | 18298 | 17473 | 15958 | 14630 | 14605 | 14493 | 15236 | 16320 |
| 33 Other Entities | 358 | 358 | 338 | 337 | 342 | 353 | 361 | 348 | 342 | 330 | 330 | 331 | 349 | 367 |
| 34 Total Regional Loads | 29806 | 29798 | 27968 | 29995 | 33172 | 35638 | 36360 | 34981 | 32056 | 29776 | 29787 | 29028 | 29242 | 30638 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 310 | 310 | 226 | 266 | 278 | 259 | 297 | 279 | 263 | 243 | 243 | 229 | 257 | 249 |
| 2 Total Federal Entities | 310 | 310 | 226 | 266 | 278 | 259 | 297 | 279 | 263 | 243 | 243 | 229 | 257 | 249 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6839 | 6839 | 6994 | 8030 | 8918 | 9752 | 9922 | 9652 | 8762 | 8041 | 8042 | 7564 | 6959 | 7013 |
| 8 Total Generating Public Entities | 6839 | 6839 | 6994 | 8030 | 8918 | 9752 | 9922 | 9652 | 8762 | 8041 | 8042 | 7564 | 6959 | 7013 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5682 | 5682 | 5365 | 5943 | 6372 | 6651 | 7046 | 6788 | 6241 | 5825 | 5825 | 5628 | 5680 | 5926 |
| 10 Total Non-Generating Public Entities | 5682 | 5682 | 5365 | 5943 | 6372 | 6651 | 7046 | 6788 | 6241 | 5825 | 5825 | 5628 | 5680 | 5926 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 16141 | 16126 | 14521 | 15081 | 16994 | 18445 | 18519 | 17653 | 16104 | 14778 | 14753 | 14697 | 15455 | 16576 |
| 12 Total Investor-Owned Entities | 16141 | 16126 | 14521 | 15081 | 16994 | 18445 | 18519 | 17653 | 16104 | 14778 | 14753 | 14697 | 15455 | 16576 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 360 | 360 | 340 | 338 | 343 | 354 | 363 | 350 | 344 | 331 | 331 | 333 | 352 | 369 |
| 14 Total Other Firm Loads | 360 | 360 | 340 | 338 | 343 | 354 | 363 | 350 | 344 | 331 | 331 | 333 | 352 | 369 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 531 | 538 | 431 | 302 | 278 | 259 | 297 | 279 | 291 | 469 | 505 | 517 | 518 | 518 |
| 16 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12521 | 12521 | 12359 | 13974 | 15290 | 16403 | 16969 | 16440 | 15003 | 13866 | 13866 | 13192 | 12639 | 12940 |
| 18 Investor-Owned Entities | 16141 | 16126 | 14521 | 15081 | 16994 | 18445 | 18519 | 17653 | 16104 | 14778 | 14753 | 14697 | 15455 | 16576 |
| 19 Other Entities | 360 | 360 | 340 | 338 | 343 | 354 | 363 | 350 | 344 | 331 | 331 | 333 | 352 | 369 |
| 20 Total Regional Firm Loads | 30220 | 30212 | 28319 | 30363 | 33574 | 36130 | 36815 | 35390 | 32409 | 30112 | 30123 | 29407 | 29631 | 31072 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 531 | 538 | 431 | 302 | 278 | 259 | 297 | 279 | 291 | 469 | 505 | 517 | 518 | 518 |
| 30 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12521 | 12521 | 12359 | 13974 | 15290 | 16403 | 16969 | 16440 | 15003 | 13866 | 13866 | 13192 | 12639 | 12940 |
| 32 Investor-Owned Entities | 16141 | 16126 | 14536 | 15081 | 16994 | 18445 | 18522 | 17676 | 16158 | 14812 | 14787 | 14697 | 15455 | 16576 |
| 33 Other Entities | 360 | 360 | 340 | 338 | 343 | 354 | 363 | 350 | 344 | 331 | 331 | 333 | 352 | 369 |
| 34 Total Regional Loads | 30220 | 30212 | 28333 | 30363 | 33574 | 36130 | 36818 | 35413 | 32463 | 30146 | 30157 | 29407 | 29631 | 31072 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| 2 Total Federal Entities | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 6923 | 6923 | 7080 | 8136 | 9079 | 9879 | 10054 | 9781 | 8876 | 8144 | 8144 | 7660 | 7049 | 7101 |
| 8 Total Generating Public Entities | 6923 | 6923 | 7080 | 8136 | 9079 | 9879 | 10054 | 9781 | 8876 | 8144 | 8144 | 7660 | 7049 | 7101 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5767 | 5767 | 5448 | 6038 | 6474 | 6755 | 7158 | 6882 | 6342 | 5916 | 5916 | 5712 | 5766 | 6020 |
| 10 Total Non-Generating Public Entities | 5767 | 5767 | 5448 | 6038 | 6474 | 6755 | 7158 | 6882 | 6342 | 5916 | 5916 | 5712 | 5766 | 6020 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 16388 | 16373 | 14718 | 15273 | 17199 | 18689 | 18736 | 17846 | 16304 | 14961 | 14935 | 14908 | 15670 | 16832 |
| 12 Total Investor-Owned Entities | 16388 | 16373 | 14718 | 15273 | 17199 | 18689 | 18736 | 17846 | 16304 | 14961 | 14935 | 14908 | 15670 | 16832 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 362 | 362 | 342 | 339 | 345 | 356 | 364 | 351 | 345 | 332 | 332 | 334 | 354 | 372 |
| 14 Total Other Firm Loads | 362 | 362 | 342 | 339 | 345 | 356 | 364 | 351 | 345 | 332 | 332 | 334 | 354 | 372 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 532 | 539 | 433 | 304 | 280 | 261 | 299 | 281 | 292 | 471 | 507 | 519 | 519 | 520 |
| 16 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12690 | 12689 | 12528 | 14174 | 15553 | 16635 | 17212 | 16663 | 15218 | 14060 | 14060 | 13372 | 12815 | 13121 |
| 18 Investor-Owned Entities | 16388 | 16373 | 14718 | 15273 | 17199 | 18689 | 18736 | 17846 | 16304 | 14961 | 14935 | 14908 | 15670 | 16832 |
| 19 Other Entities | 362 | 362 | 342 | 339 | 345 | 356 | 364 | 351 | 345 | 332 | 332 | 334 | 354 | 372 |
| 20 Total Regional Firm Loads | 30640 | 30632 | 28688 | 30758 | 34045 | 36609 | 37278 | 35809 | 32828 | 30492 | 30502 | 29801 | 30026 | 31513 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 532 | 539 | 433 | 304 | 280 | 261 | 299 | 281 | 292 | 471 | 507 | 519 | 519 | 520 |
| 30 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12690 | 12689 | 12528 | 14174 | 15553 | 16635 | 17212 | 16663 | 15218 | 14060 | 14060 | 13372 | 12815 | 13121 |
| 32 Investor-Owned Entities | 16388 | 16373 | 14732 | 15273 | 17199 | 18689 | 18739 | 17869 | 16358 | 14995 | 14969 | 14908 | 15670 | 16832 |
| 33 Other Entities | 362 | 362 | 342 | 339 | 345 | 356 | 364 | 351 | 345 | 332 | 332 | 334 | 354 | 372 |
| 34 Total Regional Loads | 30640 | 30632 | 28703 | 30758 | 34045 | 36609 | 37282 | 35832 | 32882 | 30525 | 30536 | 29801 | 30026 | 31513 |

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Firm Loads | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| 2 Total Federal Entities | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 6 Total Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 7010 | 7010 | 7169 | 8239 | 9245 | 10006 | 10187 | 9911 | 8992 | 8246 | 8246 | 7757 | 7138 | 7190 |
| 8 Total Generating Public Entities | 7010 | 7010 | 7169 | 8239 | 9245 | 10006 | 10187 | 9911 | 8992 | 8246 | 8246 | 7757 | 7138 | 7190 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 9 Non-Generating Public Entities | 5855 | 5855 | 5534 | 6124 | 6567 | 6850 | 7237 | 6973 | 6414 | 5982 | 5982 | 5772 | 5830 | 6089 |
| 10 Total Non-Generating Public Entities | 5855 | 5855 | 5534 | 6124 | 6567 | 6850 | 7237 | 6973 | 6414 | 5982 | 5982 | 5772 | 5830 | 6089 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 11 Investor-Owned Entities | 16637 | 16622 | 14915 | 15464 | 17403 | 18922 | 18936 | 18046 | 16494 | 15134 | 15108 | 15119 | 15875 | 17071 |
| 12 Total Investor-Owned Entities | 16637 | 16622 | 14915 | 15464 | 17403 | 18922 | 18936 | 18046 | 16494 | 15134 | 15108 | 15119 | 15875 | 17071 |
| <i>-Other Firm Loads-</i> | | | | | | | | | | | | | | |
| 13 Other PNW Entities | 365 | 365 | 344 | 341 | 346 | 358 | 366 | 353 | 347 | 334 | 334 | 336 | 356 | 374 |
| 14 Total Other Firm Loads | 365 | 365 | 344 | 341 | 346 | 358 | 366 | 353 | 347 | 334 | 334 | 336 | 356 | 374 |
| <i>-Total Regional Firm Loads-</i> | | | | | | | | | | | | | | |
| 15 Federal Entities | 534 | 541 | 434 | 306 | 282 | 263 | 301 | 283 | 294 | 472 | 508 | 521 | 521 | 522 |
| 16 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 17 Public Entities | 12865 | 12865 | 12703 | 14362 | 15811 | 16855 | 17425 | 16885 | 15406 | 14229 | 14229 | 13529 | 12968 | 13279 |
| 18 Investor-Owned Entities | 16637 | 16622 | 14915 | 15464 | 17403 | 18922 | 18936 | 18046 | 16494 | 15134 | 15108 | 15119 | 15875 | 17071 |
| 19 Other Entities | 365 | 365 | 344 | 341 | 346 | 358 | 366 | 353 | 347 | 334 | 334 | 336 | 356 | 374 |
| 20 Total Regional Firm Loads | 31069 | 31061 | 29065 | 31141 | 34510 | 37066 | 37696 | 36235 | 33208 | 30837 | 30847 | 30173 | 30388 | 31914 |
| Non-Firm Loads | | | | | | | | | | | | | | |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 21 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 22 Total Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Non-Firm Loads-</i> | | | | | | | | | | | | | | |
| 23 Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Investor-Owned Entities | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Regional Non-Firm Loads | 0 | 0 | 14 | 0 | 0 | 0 | 3.5 | 23 | 54 | 34 | 34 | 0 | 0 | 0 |
| <i>-Total Regional Loads-</i> | | | | | | | | | | | | | | |
| 29 Federal Entities | 534 | 541 | 434 | 306 | 282 | 263 | 301 | 283 | 294 | 472 | 508 | 521 | 521 | 522 |
| 30 Direct Service Industry | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 | 668 |
| 31 Public Entities | 12865 | 12865 | 12703 | 14362 | 15811 | 16855 | 17425 | 16885 | 15406 | 14229 | 14229 | 13529 | 12968 | 13279 |
| 32 Investor-Owned Entities | 16637 | 16622 | 14930 | 15464 | 17403 | 18922 | 18940 | 18069 | 16548 | 15168 | 15142 | 15119 | 15875 | 17071 |
| 33 Other Entities | 365 | 365 | 344 | 341 | 346 | 358 | 366 | 353 | 347 | 334 | 334 | 336 | 356 | 374 |
| 34 Total Regional Loads | 31069 | 31061 | 29079 | 31141 | 34510 | 37066 | 37699 | 36258 | 33263 | 30870 | 30881 | 30173 | 30388 | 31914 |

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Table A-2
Exports
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 104 | 104 | 101 | 123 | 128 | 144 | 140 | 140 | 130 | 105 | 105 | 100 | 101 | 113 |
| 3 Total Exports to ECD | 114 | 114 | 111 | 133 | 138 | 154 | 150 | 150 | 140 | 115 | 115 | 110 | 111 | 123 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to BURB C/N/X | 18 | 18 | 18 | 18 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 |
| 5 BPA to GLEN C/N/X | 20 | 20 | 20 | 20 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 0 | 0 |
| 6 BPA to PASA C/N/X | 12 | 12 | 12 | 12 | 6 | 6 | 6 | 6 | 6 | 6 | 0 | 0 | 0 | 0 |
| 7 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 8 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 9 BPA to RVSD CapS | 0 | 0 | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 23 | 0 | 0 |
| 10 BPA to RVSD C/N/X | 23 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 23 |
| 11 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 12 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 13 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 38 | 74 | 45 | 45 | 57 | 59 | 51 |
| 14 PGE to GLEN PwrS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 15 PGE to GLEN S/Pwr/X | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 |
| 16 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 17 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 18 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 19 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 20 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 21 SHPD to SMUD PwrS | 36 | 36 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 23 BPA NW-SW Intertie Losses | 4.4 | 4.4 | 4.4 | 4.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.9 | 2.9 | 2.9 | 2.9 |
| 24 Total Exports To PSW | 933 | 934 | 941 | 530 | 376 | 371 | 368 | 362 | 398 | 369 | 343 | 328 | 866 | 858 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 25 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 26 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 27 BPA to BCHP CanEnt | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 |
| 28 Total Exports To Canada | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 | 1241 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 29 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 30 Federal Entities | 1572 | 1572 | 1569 | 1546 | 1471 | 1488 | 1484 | 1484 | 1474 | 1478 | 1453 | 1517 | 1518 | 1530 |
| 31 Public Entities | 193 | 194 | 201 | 136 | 111 | 106 | 103 | 97 | 133 | 104 | 104 | 57 | 178 | 170 |
| 32 Investor-Owned Entities | 597 | 597 | 597 | 267 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 180 | 597 | 597 |
| 33 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 Total Exports. | 2363 | 2363 | 2367 | 1949 | 1800 | 1811 | 1804 | 1798 | 1824 | 1800 | 1774 | 1754 | 2293 | 2297 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 112 | 112 | 106 | 80 | 82 | 92 | 89 | 90 | 83 | 67 | 67 | 65 | 66 | 74 |
| 3 Total Exports to ECD | 122 | 122 | 116 | 90 | 92 | 102 | 99 | 100 | 93 | 77 | 77 | 75 | 76 | 84 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD CapS | 0 | 0 | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 23 | 0 | 0 |
| 7 BPA to RVSD C/N/X | 23 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 23 |
| 8 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 9 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 10 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 11 PGE to GLEN PwrS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 12 PGE to GLEN S/Pwr/X | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 |
| 13 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 14 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 15 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 16 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 17 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 18 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 19 BPA NW-SW Intertie Losses | 2.9 | 2.9 | 2.9 | 2.5 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 2.9 | 2.9 | 2.9 |
| 20 Total Exports To PSW | 846 | 846 | 853 | 479 | 350 | 345 | 342 | 337 | 372 | 343 | 343 | 328 | 866 | 858 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 21 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 22 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 23 BPA to BCHP CanEnt | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 |
| 24 Total Exports To Canada | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 | 1245 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 25 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 26 Federal Entities | 1533 | 1533 | 1526 | 1455 | 1404 | 1414 | 1411 | 1412 | 1405 | 1419 | 1419 | 1486 | 1487 | 1495 |
| 27 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 28 Investor-Owned Entities | 597 | 597 | 597 | 267 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 180 | 597 | 597 |
| 29 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Total Exports. | 2287 | 2288 | 2289 | 1858 | 1732 | 1738 | 1731 | 1727 | 1755 | 1741 | 1740 | 1723 | 2261 | 2262 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 73 | 73 | 68 | 74 | 76 | 86 | 83 | 84 | 78 | 62 | 62 | 60 | 61 | 69 |
| 3 Total Exports to ECD | 83 | 83 | 78 | 84 | 86 | 96 | 93 | 94 | 88 | 72 | 72 | 70 | 71 | 79 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD CapS | 0 | 0 | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 23 | 0 | 0 |
| 7 BPA to RVSD C/N/X | 23 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 9 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 10 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 11 PGE to GLEN PwrS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 12 PGE to GLEN S/Pwr/X | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 |
| 13 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 14 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 15 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 16 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 17 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 18 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 19 BPA NW-SW Intertie Losses | 2.9 | 2.9 | 2.9 | 2.5 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 2.9 | 2.3 | 2.3 |
| 20 Total Exports To PSW | 846 | 846 | 853 | 479 | 350 | 345 | 342 | 337 | 372 | 343 | 343 | 328 | 842 | 835 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 21 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 22 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 23 BPA to BCHP CanEnt | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 |
| 24 Total Exports To Canada | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 | 1352 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 25 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 26 Federal Entities | 1601 | 1601 | 1596 | 1557 | 1505 | 1515 | 1512 | 1512 | 1506 | 1521 | 1521 | 1588 | 1566 | 1573 |
| 27 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 28 Investor-Owned Entities | 597 | 597 | 597 | 267 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 180 | 597 | 597 |
| 29 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Total Exports. | 2356 | 2356 | 2359 | 1960 | 1834 | 1838 | 1832 | 1828 | 1857 | 1843 | 1843 | 1826 | 2340 | 2340 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 68 | 68 | 64 | 86 | 88 | 100 | 96 | 97 | 90 | 72 | 72 | 70 | 70 | 79 |
| 3 Total Exports to ECD | 78 | 78 | 74 | 96 | 98 | 110 | 106 | 107 | 100 | 82 | 82 | 80 | 80 | 89 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 7 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 8 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 9 PGE to GLEN PwrS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 10 PGE to GLEN S/Pwr/X | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 |
| 11 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 12 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 13 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 14 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 15 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 16 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 17 BPA NW-SW Intertie Losses | 2.3 | 2.3 | 2.3 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 18 Total Exports To PSW | 822 | 822 | 830 | 455 | 334 | 329 | 325 | 321 | 356 | 327 | 327 | 304 | 842 | 835 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 19 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 20 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 21 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 22 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 23 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 24 Federal Entities | 1571 | 1571 | 1566 | 1542 | 1499 | 1510 | 1507 | 1507 | 1500 | 1513 | 1513 | 1572 | 1573 | 1581 |
| 25 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 26 Investor-Owned Entities | 597 | 597 | 597 | 267 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 180 | 597 | 597 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Exports. | 2325 | 2326 | 2328 | 1946 | 1827 | 1833 | 1827 | 1823 | 1850 | 1834 | 1834 | 1809 | 2348 | 2349 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 78 | 78 | 74 | 9.6 | 9.4 | 10 | 8.7 | 9.2 | 9 | 7.7 | 7.7 | 9 | 9.6 | 11 |
| 3 Total Exports to ECD | 88 | 88 | 84 | 20 | 19 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 21 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 7 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 8 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 38 | 74 | 45 | 45 | 57 | 59 | 51 |
| 9 PGE to GLEN PwrS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 10 PGE to GLEN S/Pwr/X | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 12 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 13 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 14 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 15 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 16 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 17 BPA NW-SW Intertie Losses | 2.3 | 2.3 | 2.3 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 18 Total Exports To PSW | 822 | 822 | 830 | 455 | 334 | 329 | 325 | 319 | 356 | 327 | 327 | 304 | 812 | 805 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 19 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 20 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 21 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 22 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 23 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 24 Federal Entities | 1581 | 1581 | 1576 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| 25 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 97 | 133 | 104 | 104 | 57 | 178 | 170 |
| 26 Investor-Owned Entities | 597 | 597 | 597 | 267 | 217 | 217 | 217 | 217 | 217 | 217 | 217 | 180 | 567 | 567 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Exports. | 2335 | 2336 | 2338 | 1870 | 1748 | 1744 | 1739 | 1734 | 1770 | 1770 | 1769 | 1748 | 2257 | 2251 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 12 | 12 | 9.6 | 9.6 | 9.4 | 10 | 8.7 | 9.2 | 9 | 7.7 | 7.7 | 9 | 9.6 | 11 |
| 3 Total Exports to ECD | 22 | 22 | 20 | 20 | 19 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 21 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 7 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 8 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 9 PGE to GLEN PwrS | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 PGE to GLEN S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 12 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 13 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 14 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 15 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 16 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 17 BPA NW-SW Intertie Losses | 2.3 | 2.3 | 2.3 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 18 Total Exports To PSW | 792 | 792 | 800 | 435 | 314 | 309 | 305 | 301 | 336 | 307 | 307 | 284 | 792 | 785 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 19 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 20 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 21 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 22 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 23 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 24 Federal Entities | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| 25 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 26 Investor-Owned Entities | 567 | 567 | 567 | 247 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 160 | 547 | 547 |
| 27 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Total Exports. | 2238 | 2239 | 2244 | 1850 | 1728 | 1724 | 1719 | 1715 | 1750 | 1750 | 1749 | 1728 | 2237 | 2231 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 12 | 12 | 9.6 | 9.6 | 9.5 | 10 | 8.7 | 9.3 | 9.1 | 7.7 | 7.7 | 9.1 | 9.6 | 11 |
| 3 Total Exports to ECD | 22 | 22 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 21 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 6 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 7 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 8 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 9 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 10 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 11 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 12 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 13 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 14 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 15 BPA NW-SW Intertie Losses | 2.3 | 2.3 | 2.3 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 2.3 | 2.3 | 2.3 |
| 16 Total Exports To PSW | 772 | 772 | 780 | 435 | 314 | 309 | 305 | 301 | 336 | 307 | 307 | 284 | 792 | 785 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 17 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 18 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 19 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 20 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 21 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 22 Federal Entities | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1511 | 1512 | 1513 |
| 23 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 24 Investor-Owned Entities | 547 | 547 | 547 | 247 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 160 | 547 | 547 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Exports. | 2218 | 2219 | 2224 | 1850 | 1728 | 1724 | 1719 | 1715 | 1750 | 1750 | 1749 | 1729 | 2237 | 2231 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 12 | 12 | 9.6 | 9.6 | 9.5 | 10 | 8.7 | 9.3 | 9.1 | 7.7 | 7.7 | 9.1 | 9.7 | 11 |
| 3 Total Exports to ECD | 22 | 22 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 21 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to PASA C/N/X | 15 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 BPA to PASA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 60 |
| 7 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 | 0 |
| 8 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 9 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 |
| 10 PPL to SMUD PwrS | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 12 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 13 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 14 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 15 BPA NW-SW Intertie Losses | 2.3 | 2.3 | 2.3 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.8 | 1.8 | 1.8 |
| 16 Total Exports To PSW | 772 | 772 | 780 | 435 | 314 | 309 | 205 | 201 | 236 | 207 | 207 | 169 | 677 | 669 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 17 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 18 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 19 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 20 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 21 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 22 Federal Entities | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1496 | 1496 | 1498 |
| 23 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 24 Investor-Owned Entities | 547 | 547 | 547 | 247 | 197 | 197 | 97 | 97 | 97 | 97 | 97 | 60 | 447 | 447 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Exports. | 2219 | 2219 | 2224 | 1850 | 1728 | 1724 | 1619 | 1615 | 1650 | 1650 | 1649 | 1613 | 2121 | 2115 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 12 | 12 | 9.7 | 9.6 | 9.5 | 10 | 8.7 | 9.3 | 9.1 | 7.7 | 7.7 | 9.1 | 9.7 | 11 |
| 3 Total Exports to ECD | 22 | 22 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 21 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 BPA to RVSD C/N/X | 60 | 60 | 60 | 60 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 0 | 0 | 0 |
| 5 BPA to RVSD S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 38 | 74 | 45 | 45 | 57 | 59 | 51 |
| 7 PPL to REDD PwrS | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 9 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 10 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 11 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 12 BPA NW-SW Intertie Losses | 1.8 | 1.8 | 1.8 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 |
| 13 Total Exports To PSW | 656 | 657 | 664 | 335 | 214 | 209 | 205 | 199 | 236 | 207 | 207 | 57 | 565 | 557 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 14 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 15 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 16 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 17 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 18 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 1498 | 1498 | 1496 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1434 | 1435 | 1436 |
| 20 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 97 | 133 | 104 | 104 | 57 | 178 | 170 |
| 21 Investor-Owned Entities | 447 | 447 | 447 | 147 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 10 | 397 | 397 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Exports. | 2103 | 2104 | 2109 | 1750 | 1628 | 1624 | 1619 | 1614 | 1650 | 1650 | 1649 | 1501 | 2010 | 2004 |

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Exports East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 AVWP to PPLM PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 2 BPA to Other Entities | 12 | 12 | 9.7 | 9.6 | 9.5 | 10 | 8.7 | 9.3 | 9.1 | 7.7 | 7.7 | 9.1 | 9.7 | 0 |
| 3 Total Exports to ECD | 22 | 22 | 20 | 20 | 20 | 20 | 19 | 19 | 19 | 18 | 18 | 19 | 20 | 10 |
| <i>-Exports to Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 Other Entities to Other Entities | 39 | 39 | 46 | 48 | 52 | 47 | 44 | 39 | 74 | 45 | 45 | 57 | 59 | 51 |
| 5 PSE to PG&E S/Pwr/X | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 300 |
| 6 SCL to NCPA S/Pwr/X | 60 | 60 | 60 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 60 |
| 7 SDGE to SDGE PwrS | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 8 TID to TID PwrS | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 | 0 | 59 | 59 |
| 9 BPA NW-SW Intertie Losses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Total Exports To PSW | 545 | 545 | 552 | 223 | 198 | 193 | 190 | 185 | 220 | 191 | 191 | 57 | 565 | 557 |
| <i>-Exports to Inland Southwest-</i> | | | | | | | | | | | | | | |
| 11 BPA to SPP PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 12 Total Exports To ISW | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| <i>-Exports to Canada-</i> | | | | | | | | | | | | | | |
| 13 BPA to BCHP CanEnt | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| 14 Total Exports To Canada | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 | 1350 |
| <i>-Exports to Other Entities-</i> | | | | | | | | | | | | | | |
| 15 Total Exports To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Exports-</i> | | | | | | | | | | | | | | |
| 16 Federal Entities | 1437 | 1437 | 1435 | 1405 | 1404 | 1406 | 1404 | 1404 | 1404 | 1433 | 1433 | 1434 | 1435 | 1425 |
| 17 Public Entities | 157 | 158 | 165 | 136 | 111 | 106 | 103 | 98 | 133 | 104 | 104 | 57 | 178 | 170 |
| 18 Investor-Owned Entities | 397 | 397 | 397 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 10 | 397 | 397 |
| 19 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Total Exports. | 1991 | 1992 | 1997 | 1638 | 1613 | 1609 | 1604 | 1600 | 1634 | 1634 | 1634 | 1501 | 2010 | 1992 |

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Table A-3
Regulated Hydro Projects
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 806 | 806 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 911 |
| 29 Lower Monumental | 803 | 803 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20519 |
| 60 Public Entities | 4393 | 4340 | 4516 | 4291 | 4454 | 4391 | 4259 | 4135 | 4011 | 4082 | 4198 | 3998 | 4583 | 4391 |
| 61 Investor-Owned Entities | 5832 | 5831 | 5941 | 5866 | 5722 | 5787 | 5689 | 5661 | 5641 | 5776 | 5774 | 5372 | 5722 | 5767 |
| 62 Other Entities | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |

**Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 806 | 806 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 803 | 803 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4393 | 4340 | 4516 | 4291 | 4454 | 4391 | 4259 | 4135 | 4011 | 4082 | 4198 | 3998 | 4583 | 4391 |
| 61 Investor-Owned Entities | 5832 | 5831 | 5941 | 5866 | 5722 | 5787 | 5689 | 5661 | 5641 | 5776 | 5774 | 5372 | 5722 | 5767 |
| 62 Other Entities | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 30914 | 30744 | 31381 | 31173 | 31406 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4393 | 4340 | 4516 | 4291 | 4517 | 4454 | 4530 | 4406 | 4282 | 4353 | 4468 | 4269 | 4853 | 4661 |
| 61 Investor-Owned Entities | 5832 | 5831 | 5941 | 5866 | 5659 | 5723 | 5417 | 5390 | 5369 | 5504 | 5503 | 5101 | 5451 | 5496 |
| 62 Other Entities | 488 | 487 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4663 | 4611 | 4787 | 4561 | 4729 | 4666 | 4535 | 4411 | 4287 | 4358 | 4473 | 4274 | 4858 | 4666 |
| 61 Investor-Owned Entities | 5561 | 5559 | 5670 | 5595 | 5446 | 5511 | 5413 | 5385 | 5365 | 5500 | 5498 | 5097 | 5447 | 5491 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30907 | 30705 | 30201 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4668 | 4616 | 4792 | 4566 | 4735 | 4672 | 4541 | 4417 | 4293 | 4364 | 4480 | 4280 | 4864 | 4672 |
| 61 Investor-Owned Entities | 5556 | 5555 | 5665 | 5590 | 5440 | 5505 | 5406 | 5379 | 5358 | 5493 | 5492 | 5090 | 5440 | 5485 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31405 | 31166 | 30907 | 30705 | 30201 | 29623 | 29417 | 29479 | 31178 | 31165 |

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 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31380 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4674 | 4622 | 4798 | 4573 | 4741 | 4678 | 4547 | 4423 | 4298 | 4370 | 4485 | 4286 | 4870 | 4678 |
| 61 Investor-Owned Entities | 5550 | 5548 | 5658 | 5584 | 5434 | 5499 | 5401 | 5373 | 5353 | 5488 | 5487 | 5085 | 5435 | 5480 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31380 | 31173 | 31405 | 31166 | 30908 | 30705 | 30202 | 29623 | 29417 | 29479 | 31178 | 31165 |

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 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4680 | 4628 | 4804 | 4578 | 4747 | 4684 | 4553 | 4429 | 4305 | 4376 | 4492 | 4292 | 4876 | 4684 |
| 61 Investor-Owned Entities | 5544 | 5543 | 5653 | 5578 | 5428 | 5493 | 5395 | 5367 | 5346 | 5481 | 5480 | 5078 | 5428 | 5473 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31173 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4687 | 4634 | 4810 | 4585 | 4754 | 4691 | 4559 | 4435 | 4311 | 4382 | 4498 | 4298 | 4883 | 4691 |
| 61 Investor-Owned Entities | 5538 | 5537 | 5647 | 5572 | 5422 | 5487 | 5388 | 5361 | 5340 | 5475 | 5474 | 5072 | 5422 | 5467 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |

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 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4693 | 4640 | 4816 | 4591 | 4754 | 4691 | 4559 | 4435 | 4311 | 4382 | 4498 | 4298 | 4883 | 4691 |
| 61 Investor-Owned Entities | 5532 | 5530 | 5641 | 5566 | 5422 | 5487 | 5388 | 5361 | 5340 | 5475 | 5474 | 5072 | 5422 | 5467 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Regulated Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 Albeni Falls | 50 | 50 | 50 | 38 | 26 | 23 | 22 | 23 | 22 | 22 | 16 | 27 | 45 | 50 |
| 2 Alder | 52 | 52 | 52 | 52 | 51 | 48 | 37 | 28 | 28 | 30 | 0 | 43 | 48 | 52 |
| 3 Bonneville | 1039 | 1039 | 1039 | 1039 | 1039 | 1047 | 1047 | 1047 | 1039 | 1039 | 1039 | 1039 | 1039 | 1039 |
| 4 Boundary | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 845 | 921 | 1004 | 845 |
| 5 Box Canyon | 82 | 83 | 82 | 80 | 81 | 82 | 82 | 83 | 82 | 82 | 80 | 78 | 78 | 80 |
| 6 Brownlee | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 674 | 675 | 675 | 675 |
| 7 Cabinet Gorge | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 | 239 |
| 8 Chelan | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 9 Chief Joseph | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 | 2535 |
| 10 Cushman 1 | 0 | 0 | 45 | 18 | 42 | 35 | 26 | 18 | 0 | 0 | 26 | 25 | 24 | 0 |
| 11 Cushman 2 | 0 | 0 | 88 | 0.7 | 88 | 88 | 88 | 88 | 0 | 0 | 88 | 88 | 29 | 0 |
| 12 Diablo | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 13 Dworshak | 448 | 446 | 446 | 445 | 445 | 445 | 445 | 443 | 444 | 445 | 446 | 448 | 450 | 449 |
| 14 Faraday | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 15 Gorge | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 | 182 |
| 16 Grand Coulee | 6261 | 6156 | 6261 | 6359 | 6588 | 6341 | 6326 | 6288 | 5949 | 5197 | 4990 | 5624 | 6340 | 6370 |
| 17 Hells Canyon | 322 | 322 | 450 | 412 | 253 | 383 | 367 | 383 | 341 | 450 | 450 | 338 | 260 | 260 |
| 18 Hungry Horse | 406 | 400 | 394 | 387 | 379 | 371 | 361 | 351 | 341 | 334 | 278 | 291 | 309 | 404 |
| 19 Ice Harbor | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 | 693 |
| 20 John Day | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 | 2484 |
| 21 Kerr | 180 | 180 | 180 | 179 | 176 | 174 | 171 | 167 | 165 | 163 | 163 | 171 | 178 | 180 |
| 22 La Grande | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 23 Libby | 592 | 589 | 587 | 586 | 585 | 582 | 579 | 577 | 575 | 574 | 574 | 577 | 587 | 592 |
| 24 Little Falls | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 30 | 30 | 34 | 34 |
| 25 Little Goose | 884 | 884 | 922 | 928 | 928 | 928 | 928 | 928 | 928 | 922 | 884 | 884 | 884 | 884 |
| 26 Long Lake | 72 | 72 | 72 | 72 | 72 | 70 | 65 | 64 | 65 | 70 | 72 | 72 | 72 | 72 |
| 27 Lower Baker | 71 | 71 | 71 | 21 | 71 | 69 | 58 | 50 | 55 | 58 | 54 | 54 | 65 | 71 |
| 28 Lower Granite | 912 | 912 | 912 | 912 | 918 | 930 | 930 | 930 | 930 | 918 | 912 | 912 | 912 | 912 |
| 29 Lower Monumental | 907 | 907 | 915 | 922 | 922 | 922 | 922 | 922 | 922 | 915 | 907 | 907 | 907 | 907 |
| 30 Mayfield | 125 | 125 | 125 | 125 | 125 | 125 | 133 | 125 | 125 | 125 | 125 | 84 | 129 | 125 |
| 31 McNary | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 | 1127 |
| 32 Merwin | 148 | 148 | 148 | 143 | 140 | 137 | 122 | 113 | 113 | 113 | 118 | 118 | 130 | 148 |
| 33 Monroe Street | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 34 Mossyrock | 384 | 384 | 384 | 384 | 361 | 317 | 226 | 151 | 172 | 209 | 242 | 0 | 384 | 384 |
| 35 Nine Mile | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 23 | 22 | 24 | 26 |
| 36 North Fork | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 37 Noxon | 528 | 528 | 528 | 528 | 528 | 522 | 515 | 515 | 522 | 528 | 522 | 515 | 520 | 527 |
| 38 Oak Grove | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 39 Oxbow | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 40 Pelton | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 108 |
| 41 Pelton Rereg. Dam | 10 | 10 | 10 | 11 | 11 | 12 | 11 | 11 | 13 | 13 | 15 | 12 | 12 | 10 |
| 42 Post Falls | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 14 | 14 | 15 | 16 |
| 43 Priest Rapids | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |
| 44 River Mill | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 45 Rock Island PH#1 | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| 46 Rock Island PH#2 | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |
| 47 Rocky Reach | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| 48 Ross | 450 | 397 | 445 | 331 | 414 | 416 | 394 | 374 | 370 | 363 | 364 | 392 | 433 | 450 |
| 49 Round Butte | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 50 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 51 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 52 The Dalles | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 | 2074 |
| 53 Thompson Falls | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 84 | 81 | 85 |
| 54 Upper Baker | 101 | 101 | 101 | 100 | 96 | 93 | 85 | 79 | 80 | 80 | 80 | 80 | 94 | 101 |
| 55 Upper Falls | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9.5 | 8.6 | 8.3 | 9.3 | 10 |
| 56 Wanapum | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| 57 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 58 Yale | 133 | 133 | 130 | 132 | 127 | 113 | 99 | 94 | 94 | 106 | 112 | 0 | 133 | 132 |
| Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |
| <i>-Total Regulated Hydro w/Enc.-</i> | | | | | | | | | | | | | | |
| 59 Federal System | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19279 | 18958 | 19621 | 20385 | 20520 |
| 60 Public Entities | 4693 | 4640 | 4816 | 4591 | 4754 | 4691 | 4559 | 4435 | 4311 | 4382 | 4498 | 4298 | 4883 | 4691 |
| 61 Investor-Owned Entities | 5532 | 5530 | 5641 | 5566 | 5422 | 5487 | 5388 | 5361 | 5340 | 5475 | 5474 | 5072 | 5422 | 5467 |
| 62 Other Entities | 488 | 488 | 487 | 487 | 488 | 488 | 487 | 487 | 487 | 487 | 487 | 487 | 488 | 488 |
| 63 Total Regulated Hydro w/Enc. | 31124 | 30954 | 31381 | 31174 | 31406 | 31167 | 30908 | 30705 | 30202 | 29623 | 29418 | 29479 | 31178 | 31165 |

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Table A-4
Independent Hydro Projects
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Condit | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0.5 | 2.4 | 3.0 | 3 | 3.3 | 3.4 | 3.4 | 3.4 | 2.1 | 1.2 | 0.9 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Powerdale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 59 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 60 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 61 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 62 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 63 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 64 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 65 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 66 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 67 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 68 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 69 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 70 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 71 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 72 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 73 TW Sullivan | 0 | 0 | 0 | 0 | 0 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 0 | 0 |
| 74 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 75 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 76 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 77 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 79 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 80 West Side | 0 | 0 | 0.1 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0 |
| 81 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 82 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1697 | 1681 | 1774 | 1786 | 1767 | 1621 | 1542 | 1593 | 1786 | 1866 | 2007 | 2112 | 2081 | 1749 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 83 Federal System | 646 | 660 | 655 | 683 | 672 | 495 | 433 | 488 | 648 | 702 | 822 | 865 | 861 | 635 |
| 84 Public Entities | 238 | 238 | 283 | 286 | 285 | 287 | 283 | 291 | 319 | 311 | 310 | 338 | 325 | 275 |
| 85 Investor-Owned Entities | 813 | 783 | 835 | 817 | 811 | 838 | 825 | 814 | 819 | 853 | 874 | 909 | 896 | 839 |
| 86 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Total Independent Hydro w/Enc. | 1697 | 1681 | 1774 | 1786 | 1767 | 1621 | 1542 | 1593 | 1786 | 1866 | 2007 | 2112 | 2081 | 1749 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Condit | 9.6 | 9.6 | 9.6 | 9.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0.5 | 2.4 | 3.0 | 3 | 3.3 | 3.4 | 3.4 | 3.4 | 2.1 | 1.2 | 0.9 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Powerdale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 59 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 60 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 61 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 62 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 63 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 64 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 65 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 66 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 67 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 68 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 69 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 70 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 71 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 72 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 73 TW Sullivan | 0 | 0 | 0 | 0 | 0 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 0 | 0 |
| 74 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 75 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 76 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 77 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 79 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 80 West Side | 0 | 0 | 0.1 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0 |
| 81 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 82 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1697 | 1681 | 1774 | 1786 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2072 | 1739 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 83 Federal System | 646 | 660 | 655 | 683 | 672 | 495 | 433 | 488 | 648 | 702 | 822 | 865 | 861 | 635 |
| 84 Public Entities | 238 | 238 | 283 | 286 | 285 | 287 | 283 | 291 | 319 | 311 | 310 | 338 | 325 | 275 |
| 85 Investor-Owned Entities | 813 | 783 | 835 | 817 | 801 | 828 | 816 | 804 | 810 | 843 | 865 | 900 | 886 | 829 |
| 86 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Total Independent Hydro w/Enc. | 1697 | 1681 | 1774 | 1786 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2072 | 1739 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 19 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 20 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 21 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 23 East Side | 0 | 0 | 0.5 | 2.4 | 3.0 | 3 | 3.3 | 3.4 | 3.4 | 3.4 | 2.1 | 1.2 | 0.9 | 0 |
| 24 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 25 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 26 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 27 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 28 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 29 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 30 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 32 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 33 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 34 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 35 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 37 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 38 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 39 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 40 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 41 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 42 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 43 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 44 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 45 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 47 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 48 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 50 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 52 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 53 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 55 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 56 Powerdale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 59 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 60 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 61 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 62 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 63 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 64 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 65 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 66 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 67 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 68 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 69 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 70 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 71 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72 TW Sullivan | 0 | 0 | 0 | 0 | 0 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 73 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 74 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 75 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 76 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 77 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 78 Walterville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 79 West Side | 0 | 0 | 0.1 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0 |
| 80 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 81 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1687 | 1671 | 1764 | 1777 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2086 | 1753 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 82 Federal System | 646 | 660 | 655 | 683 | 672 | 495 | 433 | 488 | 648 | 702 | 822 | 865 | 861 | 635 |
| 83 Public Entities | 238 | 238 | 283 | 286 | 285 | 287 | 283 | 291 | 319 | 311 | 310 | 338 | 325 | 275 |
| 84 Investor-Owned Entities | 803 | 774 | 826 | 807 | 801 | 828 | 816 | 804 | 810 | 843 | 865 | 900 | 900 | 843 |
| 85 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 Total Independent Hydro w/Enc. | 1687 | 1671 | 1764 | 1777 | 1758 | 1611 | 1532 | 1583 | 1776 | 1856 | 1997 | 2102 | 2086 | 1753 |

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PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 19 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 20 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 21 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 23 East Side | 0 | 0 | 0.5 | 2.4 | 3.0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 25 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 26 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 27 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 28 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 29 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 30 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 32 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 33 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 34 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 35 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 37 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 38 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 39 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 40 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 41 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 42 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 43 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 44 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 45 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 47 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 48 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 50 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 52 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 53 Packwood | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 55 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 56 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 59 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 60 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 61 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 62 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 63 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 64 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 65 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 66 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 67 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 68 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 69 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 70 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 71 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 72 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 73 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 74 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 75 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 76 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 78 West Side | 0 | 0 | 0.1 | 0.4 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 80 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1761 | 1745 | 1581 | 1498 | 1549 | 1742 | 1822 | 1965 | 2071 | 2054 | 1723 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 81 Federal System | 646 | 660 | 655 | 683 | 672 | 495 | 433 | 488 | 648 | 702 | 822 | 865 | 861 | 635 |
| 82 Public Entities | 238 | 238 | 283 | 256 | 258 | 257 | 253 | 261 | 289 | 281 | 280 | 308 | 295 | 245 |
| 83 Investor-Owned Entities | 817 | 788 | 840 | 821 | 815 | 828 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 84 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1761 | 1745 | 1581 | 1498 | 1549 | 1742 | 1822 | 1965 | 2071 | 2054 | 1723 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 19 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 20 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 21 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 23 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 25 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 26 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 27 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 28 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 29 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 30 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 32 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 33 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 34 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 35 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 37 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 38 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 39 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 40 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 41 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 42 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 43 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 44 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 45 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 47 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 48 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 50 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 52 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 53 Packwood | 0 | 0 | 0 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 55 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 56 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 59 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 60 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 61 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 62 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 63 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 64 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 65 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 66 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 67 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 68 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 69 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 70 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 71 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 72 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 73 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 74 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 75 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 76 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77 Walterville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 78 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 80 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1671 | 1655 | 1748 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 81 Federal System | 646 | 660 | 655 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 82 Public Entities | 208 | 208 | 253 | 306 | 303 | 302 | 301 | 308 | 334 | 328 | 327 | 359 | 346 | 296 |
| 83 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 84 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 Total Independent Hydro w/Enc. | 1671 | 1655 | 1748 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 10 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 12 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 13 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 14 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 15 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 16 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 17 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 19 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 20 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 21 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 22 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 23 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 25 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 26 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 27 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 28 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 29 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 30 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 32 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 33 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 34 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 35 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 37 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 38 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 39 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 40 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 41 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 42 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 43 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 44 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 45 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 47 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 48 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 50 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 51 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 52 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 53 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 55 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 56 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 59 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 60 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 61 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 62 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 63 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 64 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 65 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 66 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 67 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 68 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 69 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 70 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 71 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 72 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 73 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 74 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 75 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 76 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 78 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 80 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 81 Federal System | 627 | 641 | 635 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 82 Public Entities | 257 | 257 | 303 | 306 | 303 | 302 | 301 | 308 | 334 | 328 | 327 | 359 | 346 | 296 |
| 83 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 84 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1528 | 1579 | 1772 | 1852 | 1995 | 2101 | 2084 | 1753 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Blue River | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 10 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 11 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 13 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 14 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 15 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 16 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 17 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 18 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 59 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 60 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 61 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 62 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 63 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 64 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 65 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 66 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 67 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 68 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 69 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 70 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 71 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 73 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 74 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 75 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 76 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 77 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 78 Walterville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 79 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 81 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 82 Federal System | 627 | 641 | 635 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 83 Public Entities | 257 | 257 | 303 | 306 | 303 | 302 | 305 | 312 | 338 | 332 | 331 | 363 | 350 | 300 |
| 84 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 85 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 Total Independent Hydro w/Enc. | 1701 | 1685 | 1778 | 1788 | 1768 | 1608 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Blue River | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 10 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 11 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 13 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 14 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 15 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 16 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 17 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 18 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 59 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 60 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 61 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 62 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 63 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 64 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 65 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 66 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 67 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 68 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 69 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 70 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 71 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 73 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 74 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 75 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 76 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 77 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 78 Walterville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 79 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 81 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 82 Federal System | 627 | 641 | 635 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 83 Public Entities | 262 | 261 | 307 | 310 | 307 | 307 | 305 | 312 | 338 | 332 | 331 | 363 | 350 | 300 |
| 84 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 85 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Blue River | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 10 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 11 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 13 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 14 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 15 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 16 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 17 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 18 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 59 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 60 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 61 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 62 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 63 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 64 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 65 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 66 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 67 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 68 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 69 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 70 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 71 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 73 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 74 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 75 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 76 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 77 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 78 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 79 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 81 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 82 Federal System | 627 | 641 | 635 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 83 Public Entities | 262 | 261 | 307 | 310 | 307 | 307 | 305 | 312 | 338 | 332 | 331 | 363 | 350 | 300 |
| 84 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 85 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |

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 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Independent Hydro Projects-</i> | | | | | | | | | | | | | | |
| 1 American Falls | 74 | 47 | 30 | 13 | 0 | 8.8 | 0 | 0 | 0 | 7.4 | 33 | 68 | 70 | 79 |
| 2 Anderson Ranch | 40 | 40 | 38 | 38 | 38 | 38 | 36 | 35 | 34 | 34 | 34 | 37 | 38 | 36 |
| 3 Ashton | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 4 Bend Power Dam | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 5 Big Cliff | 8 | 8 | 12 | 12 | 17 | 8 | 5 | 9 | 10 | 12 | 17 | 22 | 22 | 10 |
| 6 Big Fork | 4.5 | 4.5 | 3.3 | 4.4 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 |
| 7 Black Canyon | 10 | 10 | 7.9 | 9 | 5.9 | 7.1 | 8.8 | 4.8 | 7.9 | 10 | 10 | 10 | 8.1 | 7.5 |
| 8 Bliss | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 9 Blue River | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 10 Boise River Diversion | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 11 Calispel Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 Carmen-Smith | 41 | 38 | 39 | 33 | 30 | 37 | 33 | 33 | 52 | 62 | 63 | 64 | 60 | 51 |
| 13 Cascade | 14 | 11 | 6.5 | 6.8 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 6.7 |
| 14 Cedar Falls & Newhalem | 0 | 0 | 24 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 |
| 15 Chandler | 5.2 | 5.2 | 4.1 | 6.7 | 12 | 13 | 9.5 | 9.3 | 13 | 10 | 10 | 8.4 | 8.1 | 4.6 |
| 16 CJ Strike | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 17 Clear Lake | 2.9 | 3.0 | 3.3 | 3.5 | 3.4 | 2.9 | 3.2 | 2.9 | 3 | 3.3 | 3.1 | 3.1 | 3.0 | 3.4 |
| 18 Cline Falls | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 Cougar | 19 | 20 | 13 | 25 | 18 | 6 | 4 | 7 | 8 | 23 | 30 | 30 | 30 | 11 |
| 20 Cowlitz Falls | 10 | 10 | 12 | 16 | 23 | 23 | 13 | 17 | 33 | 48 | 48 | 64 | 66 | 29 |
| 21 Detroit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 100 | 100 |
| 22 Dexter | 8 | 9 | 9 | 13 | 18 | 6 | 3 | 7 | 8 | 7 | 17 | 18 | 18 | 7 |
| 23 Eagle Point | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.9 | 0.6 | 0.7 | 0.7 | 0.5 | 0 | 0 |
| 24 East Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Felt | 4.4 | 4.4 | 4.6 | 4.3 | 4.4 | 3.9 | 3.3 | 3.5 | 4.2 | 4.2 | 4.2 | 5.9 | 7.3 | 5.6 |
| 26 Foster | 7 | 7 | 12 | 10 | 8 | 10 | 4 | 9 | 22 | 23 | 23 | 23 | 24 | 7 |
| 27 Gem State Hydro | 20 | 20 | 16 | 13 | 14 | 15 | 15 | 15 | 22 | 22 | 22 | 21 | 21 | 22 |
| 28 Grace | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 29 Green Peter | 76 | 76 | 86 | 79 | 61 | 32 | 20 | 5 | 90 | 92 | 92 | 88 | 86 | 55 |
| 30 Green Springs - USBR | 16 | 16 | 15 | 17 | 18 | 18 | 19 | 19 | 18 | 18 | 18 | 18 | 17 | 16 |
| 31 Hellroaring (Big) Creek | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 Hills Creek | 10 | 10 | 25 | 25 | 30 | 6 | 5 | 7 | 8 | 23 | 36 | 36 | 36 | 16 |
| 33 Hood Street | 0 | 0 | 0 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0 |
| 34 Idaho Falls - City Plant | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 |
| 35 Idaho Falls - Lower Plant | 6 | 6 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 36 Idaho Falls - Upper Plant | 7 | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| 37 Island Park | 4.5 | 4.5 | 4.3 | 4.1 | 4.1 | 3.3 | 3.3 | 4.4 | 4.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 38 Jackson | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| 39 John C Boyle | 0 | 0 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 0 |
| 40 Lake Creek | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 41 Last Chance | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 42 Leaburg | 7.5 | 7.5 | 5.5 | 7.5 | 7.5 | 7.1 | 4 | 13 | 13 | 13 | 13 | 13 | 13 | 10 |
| 43 Lookout Point | 83 | 95 | 85 | 124 | 131 | 24 | 17 | 45 | 66 | 61 | 143 | 150 | 151 | 81 |
| 44 Lost Creek | 56 | 56 | 55 | 52 | 51 | 50 | 18 | 50 | 53 | 56 | 56 | 56 | 56 | 56 |
| 45 Lower Malad | 4.0 | 4.2 | 4.6 | 4.8 | 4.7 | 4 | 4.5 | 4 | 4.3 | 4.6 | 4.3 | 4.4 | 4.2 | 4.7 |
| 46 Lower Salmon | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 McNary Fishway | 9.9 | 9.9 | 9.9 | 9.8 | 10.0 | 9.8 | 9.7 | 9.9 | 9.8 | 9.9 | 9.9 | 9.9 | 9.8 | 9.9 |
| 48 Mill Creek (WA) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 49 Milner | 0 | 0 | 0 | 0 | 6 | 10 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Minidoka | 30 | 30 | 28 | 19 | 15 | 18 | 26 | 15 | 16 | 22 | 22 | 30 | 30 | 30 |
| 51 Moyie Springs | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 52 North Umpqua | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| 53 Oneida | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 54 Packwood | 30 | 30 | 30 | 30 | 27 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 55 Palisades | 131 | 131 | 128 | 109 | 108 | 116 | 122 | 128 | 131 | 131 | 131 | 131 | 131 | 131 |
| 56 Paris | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 57 Reeder Gulch | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 Rogue | 33 | 33 | 30 | 27 | 26 | 28 | 25 | 27 | 40 | 50 | 50 | 51 | 51 | 51 |
| 59 Roza | 13 | 13 | 0 | 3.6 | 0 | 5 | 4 | 4.3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 60 Shoshone Falls | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 61 Smith Creek | 0 | 0 | 0.1 | 1.7 | 1.2 | 0.5 | 0 | 0.7 | 0.9 | 5.7 | 5.7 | 36 | 28 | 3.9 |
| 62 Snoq Elect & Nooksack | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 63 Soda Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 64 Soda Point Project | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 65 South Fork Tolt | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| 66 Stone Creek | 4 | 5.8 | 10 | 10 | 10 | 1.8 | 7.1 | 0.6 | 4.3 | 5.9 | 4.7 | 6.7 | 6 | 10 |
| 67 Strawberry Creek | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 68 Swan Falls | 14 | 14 | 16 | 18 | 19 | 19 | 17 | 17 | 16 | 16 | 16 | 15 | 14 | 14 |
| 69 The Dalles Fishway | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.5 | 5.4 | 5.4 | 5.3 | 5.4 | 5.4 |
| 70 Thousand Springs | 10 | 10 | 12 | 12 | 12 | 10 | 11 | 10 | 11 | 12 | 11 | 11 | 10 | 12 |
| 71 Trail Bridge | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 72 TW Sullivan | 14 | 14 | 14 | 14 | 14 | 14 | 16 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 73 Twin Falls | 5 | 5 | 8 | 4 | 11 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 7 |
| 74 Upper Malad | 9.5 | 9.9 | 11 | 11 | 11 | 9.6 | 11 | 9.5 | 10 | 11 | 10 | 10 | 9.9 | 11 |
| 75 Upper Salmon 1 & 2 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 76 Upper Salmon 3 & 4 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 77 Wallowa Falls | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 78 Waltherville | 5.4 | 5.8 | 3.8 | 4.6 | 4 | 5 | 3.1 | 7.2 | 8 | 6.3 | 6.3 | 9.5 | 9.5 | 7.7 |
| 79 West Side | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 Wynochee | 4.3 | 4.3 | 14 | 14 | 13 | 14 | 15 | 14 | 14 | 11 | 11 | 1.7 | 1.8 | 15 |
| 81 Yelm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |
| <i>-Total Independent Hydro W/Enc.-</i> | | | | | | | | | | | | | | |
| 82 Federal System | 627 | 641 | 635 | 663 | 654 | 480 | 415 | 471 | 633 | 685 | 805 | 844 | 840 | 614 |
| 83 Public Entities | 262 | 261 | 307 | 310 | 307 | 307 | 305 | 312 | 338 | 332 | 331 | 363 | 350 | 300 |
| 84 Investor-Owned Entities | 817 | 788 | 839 | 819 | 811 | 825 | 812 | 800 | 806 | 839 | 862 | 898 | 899 | 843 |
| 85 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 Total Independent Hydro w/Enc. | 1705 | 1690 | 1782 | 1792 | 1773 | 1612 | 1532 | 1584 | 1777 | 1856 | 1999 | 2105 | 2089 | 1758 |

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Table A-5
Imports
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 BEPC to NWE PwrS | 0 | 0 | 0 | 0 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 0 | 0 | 0 |
| 2 NWE to NWE PwrS | 237 | 204 | 203 | 208 | 152 | 210 | 187 | 187 | 124 | 118 | 132 | 257 | 301 | 250 |
| 3 Other Entities to IPC | 80 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 80 |
| 4 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 PPL to PPL PwrS | 160 | 160 | 98 | 136 | 152 | 200 | 140 | 182 | 144 | 146 | 146 | 135 | 169 | 178 |
| 6 Total Imports From ECD | 490 | 457 | 343 | 452 | 563 | 723 | 614 | 612 | 483 | 452 | 466 | 392 | 568 | 542 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 7 BURB to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BURB to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 GLEN to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 GLEN to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 GLEN to PGE S/Pwr/X | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 13 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 WSPP to Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 26 Total Imports From PSW | 100 | 100 | 100 | 100 | 454 | 476 | 476 | 476 | 146 | 112 | 112 | 100 | 100 | 100 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 27 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 28 UPL to UPL PwrS | 538 | 538 | 498 | 498 | 503 | 465 | 489 | 504 | 474 | 450 | 450 | 523 | 485 | 472 |
| 29 Total Imports From ISW | 613 | 613 | 573 | 542 | 548 | 510 | 534 | 549 | 519 | 525 | 525 | 598 | 560 | 547 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 30 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 32 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 33 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 34 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 35 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 36 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 37 Investor-Owned Entities | 1019 | 986 | 801 | 845 | 1240 | 1308 | 1248 | 1305 | 842 | 816 | 830 | 918 | 1038 | 983 |
| 38 Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 39 Total Imports. | 1350 | 1317 | 1161 | 1242 | 1668 | 1833 | 1777 | 1825 | 1359 | 1236 | 1250 | 1237 | 1375 | 1336 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 BEPC to NWE PwrS | 0 | 0 | 0 | 0 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 0 | 0 | 0 |
| 2 NWE to NWE PwrS | 243 | 404 | 403 | 213 | 158 | 216 | 193 | 193 | 129 | 124 | 138 | 263 | 210 | 256 |
| 3 Other Entities to IPC | 80 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 80 |
| 4 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 PPL to PPL PwrS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Imports From ECD | 336 | 497 | 445 | 321 | 417 | 529 | 480 | 436 | 344 | 312 | 326 | 263 | 308 | 370 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 7 GLEN to PGE S/Pwr/X | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 9 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 WSPP to Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 20 Total Imports From PSW | 100 | 100 | 100 | 100 | 454 | 476 | 476 | 476 | 146 | 112 | 112 | 100 | 100 | 100 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 21 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 22 UPL to UPL PwrS | 510 | 510 | 470 | 470 | 476 | 497 | 470 | 482 | 449 | 427 | 427 | 494 | 591 | 624 |
| 23 Total Imports From ISW | 585 | 585 | 545 | 515 | 521 | 542 | 515 | 527 | 494 | 502 | 502 | 569 | 666 | 699 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 24 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 26 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 27 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 28 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 29 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 30 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 31 Investor-Owned Entities | 837 | 998 | 876 | 686 | 1066 | 1146 | 1095 | 1107 | 678 | 652 | 666 | 761 | 883 | 962 |
| 32 Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 33 Total Imports. | 1168 | 1329 | 1236 | 1083 | 1495 | 1671 | 1624 | 1626 | 1195 | 1072 | 1086 | 1079 | 1220 | 1315 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 BEPC to NWE PwrS | 0 | 0 | 0 | 0 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 0 | 0 | 0 |
| 2 NWE to NWE PwrS | 248 | 214 | 213 | 218 | 163 | 222 | 198 | 198 | 134 | 129 | 144 | 269 | 313 | 262 |
| 3 Other Entities to IPC | 80 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 Total Imports From ECD | 341 | 307 | 255 | 326 | 422 | 535 | 485 | 441 | 349 | 317 | 332 | 269 | 331 | 296 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 6 GLEN to PGE S/Pwr/X | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 8 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 WSPP to Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 19 Total Imports From PSW | 100 | 100 | 100 | 100 | 454 | 476 | 476 | 476 | 146 | 112 | 112 | 100 | 100 | 100 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 20 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 21 UPL to UPL PwrS | 515 | 515 | 474 | 474 | 480 | 501 | 473 | 486 | 453 | 430 | 430 | 498 | 596 | 630 |
| 22 Total Imports From ISW | 590 | 590 | 549 | 519 | 525 | 546 | 518 | 531 | 498 | 505 | 505 | 574 | 671 | 704 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 23 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 25 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 26 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 27 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 28 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 29 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 30 Investor-Owned Entities | 846 | 812 | 690 | 695 | 1075 | 1156 | 1103 | 1116 | 687 | 661 | 676 | 771 | 912 | 894 |
| 31 Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 32 Total Imports. | 1177 | 1143 | 1050 | 1092 | 1504 | 1681 | 1633 | 1635 | 1204 | 1081 | 1096 | 1090 | 1248 | 1246 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 254 | 219 | 218 | 223 | 267 | 326 | 205 | 205 | 140 | 136 | 150 | 178 | 223 | 170 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 267 | 232 | 260 | 331 | 428 | 541 | 394 | 350 | 257 | 226 | 240 | 178 | 241 | 204 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 GLEN to PGE S/Pwr/X | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 6 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 WSPP to Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Imports From PSW | 100 | 100 | 100 | 100 | 454 | 476 | 376 | 376 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 15 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 16 UPL to UPL PwrS | 519 | 519 | 478 | 478 | 484 | 505 | 477 | 490 | 456 | 434 | 434 | 503 | 602 | 635 |
| 17 Total Imports From ISW | 594 | 594 | 553 | 523 | 529 | 550 | 522 | 535 | 502 | 508 | 508 | 578 | 676 | 710 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 18 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 20 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 21 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 22 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 23 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 24 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 25 Investor-Owned Entities | 776 | 741 | 698 | 704 | 1085 | 1166 | 1016 | 1029 | 598 | 573 | 587 | 684 | 827 | 808 |
| 26 Other Entities | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Total Imports. | 1108 | 1073 | 1059 | 1101 | 1514 | 1692 | 1446 | 1448 | 1015 | 893 | 907 | 903 | 1064 | 1060 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 162 | 128 | 127 | 131 | 175 | 235 | 211 | 211 | 146 | 141 | 156 | 184 | 229 | 176 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 175 | 141 | 169 | 239 | 336 | 450 | 400 | 356 | 263 | 231 | 246 | 184 | 247 | 210 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 GLEN to PGE S/Pwr/X | 0 | 0 | 0 | 0 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 6 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Total Imports From PSW | 0 | 0 | 0 | 0 | 354 | 376 | 376 | 376 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 14 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 15 UPL to UPL PwrS | 524 | 524 | 482 | 482 | 488 | 510 | 481 | 494 | 460 | 437 | 437 | 507 | 607 | 641 |
| 16 Total Imports From ISW | 599 | 599 | 557 | 527 | 533 | 555 | 526 | 539 | 505 | 512 | 512 | 582 | 682 | 716 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 17 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 19 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 20 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 21 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 22 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 23 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 24 Investor-Owned Entities | 689 | 655 | 611 | 616 | 997 | 1080 | 1026 | 1039 | 608 | 582 | 596 | 694 | 839 | 820 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Imports. | 920 | 886 | 872 | 913 | 1326 | 1505 | 1456 | 1458 | 1025 | 902 | 917 | 913 | 1075 | 1072 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 168 | 133 | 132 | 137 | 181 | 241 | 217 | 217 | 151 | 146 | 162 | 190 | 236 | 182 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 181 | 146 | 174 | 245 | 342 | 456 | 406 | 362 | 268 | 236 | 252 | 190 | 254 | 216 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 5 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Total Imports From PSW | 0 | 0 | 0 | 0 | 324 | 346 | 346 | 346 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 13 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 14 UPL to UPL PwrS | 528 | 528 | 486 | 486 | 492 | 514 | 485 | 498 | 464 | 440 | 440 | 511 | 613 | 647 |
| 15 Total Imports From ISW | 603 | 603 | 561 | 531 | 537 | 559 | 530 | 543 | 509 | 515 | 515 | 586 | 688 | 722 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 16 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 18 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 19 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 20 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 22 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 23 Investor-Owned Entities | 699 | 664 | 620 | 626 | 977 | 1060 | 1006 | 1019 | 617 | 590 | 606 | 705 | 851 | 832 |
| 24 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Total Imports. | 931 | 896 | 881 | 923 | 1306 | 1485 | 1436 | 1438 | 1034 | 910 | 926 | 923 | 1088 | 1084 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 174 | 138 | 137 | 142 | 186 | 248 | 223 | 223 | 156 | 152 | 167 | 197 | 242 | 188 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 187 | 151 | 179 | 250 | 347 | 463 | 412 | 368 | 273 | 242 | 257 | 197 | 260 | 222 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 5 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Total Imports From PSW | 0 | 0 | 0 | 0 | 324 | 346 | 346 | 346 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 13 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 14 UPL to UPL PwrS | 533 | 533 | 490 | 490 | 496 | 518 | 489 | 502 | 468 | 444 | 444 | 516 | 618 | 653 |
| 15 Total Imports From ISW | 608 | 608 | 565 | 535 | 541 | 564 | 534 | 547 | 513 | 519 | 519 | 591 | 693 | 728 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 16 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 18 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 19 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 20 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 22 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 23 Investor-Owned Entities | 710 | 674 | 630 | 635 | 986 | 1071 | 1016 | 1029 | 626 | 599 | 614 | 716 | 863 | 844 |
| 24 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Total Imports. | 941 | 905 | 890 | 932 | 1315 | 1497 | 1446 | 1449 | 1043 | 920 | 935 | 935 | 1100 | 1096 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 179 | 143 | 142 | 148 | 192 | 254 | 229 | 229 | 161 | 157 | 173 | 203 | 249 | 194 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 192 | 156 | 184 | 256 | 353 | 469 | 418 | 374 | 278 | 247 | 263 | 203 | 267 | 228 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 5 PASA to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 PASA to BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 PASA to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Total Imports From PSW | 0 | 0 | 0 | 0 | 324 | 346 | 346 | 346 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 13 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 14 UPL to UPL PwrS | 538 | 538 | 494 | 494 | 500 | 523 | 494 | 507 | 472 | 447 | 447 | 520 | 624 | 660 |
| 15 Total Imports From ISW | 612 | 612 | 569 | 539 | 545 | 568 | 538 | 552 | 517 | 522 | 522 | 595 | 699 | 734 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 16 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 18 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 19 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 20 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 22 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 23 Investor-Owned Entities | 720 | 684 | 639 | 646 | 996 | 1082 | 1026 | 1040 | 634 | 608 | 624 | 726 | 876 | 856 |
| 24 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Total Imports. | 951 | 915 | 899 | 942 | 1325 | 1507 | 1456 | 1459 | 1051 | 928 | 944 | 945 | 1112 | 1108 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 185 | 149 | 148 | 153 | 197 | 260 | 234 | 234 | 165 | 161 | 178 | 209 | 254 | 199 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 198 | 162 | 190 | 261 | 358 | 475 | 423 | 379 | 282 | 251 | 268 | 209 | 272 | 233 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 5 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 RVSD to BPA XchgNrg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 RVSD to BPA S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 RVSD to BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Total Imports From PSW | 0 | 0 | 0 | 0 | 324 | 346 | 346 | 346 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 10 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 11 UPL to UPL PwrS | 542 | 542 | 498 | 498 | 504 | 528 | 498 | 511 | 476 | 451 | 451 | 525 | 630 | 666 |
| 12 Total Imports From ISW | 617 | 617 | 573 | 543 | 550 | 572 | 543 | 556 | 520 | 526 | 526 | 600 | 705 | 741 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 13 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 15 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 16 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 18 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 19 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 20 Investor-Owned Entities | 730 | 694 | 649 | 655 | 1006 | 1092 | 1036 | 1049 | 642 | 616 | 633 | 737 | 886 | 867 |
| 21 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Total Imports. | 962 | 926 | 909 | 951 | 1334 | 1518 | 1465 | 1468 | 1059 | 936 | 953 | 956 | 1123 | 1120 |

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|-------------|-------------|
| <i>-Imports From East of Continental Divide-</i> | | | | | | | | | | | | | | |
| 1 NWE to NWE PwrS | 189 | 154 | 152 | 157 | 203 | 265 | 240 | 240 | 169 | 165 | 183 | 215 | 259 | 204 |
| 2 PPL to BPA PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 3 Total Imports From ECD | 202 | 167 | 194 | 265 | 364 | 480 | 429 | 385 | 286 | 255 | 273 | 215 | 277 | 238 |
| <i>-Imports From Pacific Southwest-</i> | | | | | | | | | | | | | | |
| 4 NCPA to SCL S/Pwr/X | 0 | 0 | 0 | 0 | 24 | 46 | 46 | 46 | 46 | 12 | 12 | 0 | 0 | 0 |
| 5 PG&E to PSE S/Pwr/X | 0 | 0 | 0 | 0 | 300 | 300 | 300 | 300 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Imports From PSW | 0 | 0 | 0 | 0 | 324 | 346 | 346 | 346 | 46 | 12 | 12 | 0 | 0 | 0 |
| <i>-Imports From Inland Southwest-</i> | | | | | | | | | | | | | | |
| 7 SPP to BPA PwrS | 75 | 75 | 75 | 45 | 45 | 45 | 45 | 45 | 45 | 75 | 75 | 75 | 75 | 75 |
| 8 UPL to UPL PwrS | 547 | 547 | 502 | 502 | 509 | 532 | 502 | 515 | 479 | 455 | 455 | 529 | 636 | 672 |
| 9 Total Imports From ISW | 622 | 622 | 577 | 547 | 554 | 577 | 547 | 560 | 524 | 530 | 530 | 604 | 711 | 747 |
| <i>-Imports From Canada-</i> | | | | | | | | | | | | | | |
| 10 BCHP to BPA PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 BCHP to SCL PwrS | 142 | 142 | 142 | 142 | 97 | 118 | 149 | 182 | 208 | 142 | 142 | 142 | 142 | 142 |
| 12 Other Entities to PSE | 3.2 | 3.2 | 2.7 | 3.6 | 4.3 | 4.8 | 4 | 4 | 1.8 | 3.6 | 3.6 | 3.4 | 2.6 | 2.6 |
| 13 Total Imports From Canada | 147 | 147 | 146 | 147 | 102 | 124 | 154 | 187 | 211 | 147 | 147 | 147 | 146 | 146 |
| <i>-Imports From Other Entities-</i> | | | | | | | | | | | | | | |
| 14 Total Imports From Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Imports-</i> | | | | | | | | | | | | | | |
| 15 Federal System | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| 16 Public Entities | 142 | 142 | 142 | 142 | 122 | 164 | 195 | 228 | 254 | 154 | 154 | 142 | 142 | 142 |
| 17 Investor-Owned Entities | 739 | 704 | 657 | 663 | 1016 | 1102 | 1046 | 1059 | 650 | 623 | 641 | 748 | 897 | 879 |
| 18 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Total Imports. | 971 | 936 | 918 | 960 | 1345 | 1527 | 1476 | 1479 | 1067 | 943 | 961 | 966 | 1134 | 1131 |

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Table A-6
Small Thermal & Miscellaneous
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Bangor Base #1 Diesel Generators | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 2 Bangor Base #2 Diesel Generators | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 3 Puget Sound Shipyards Diesel Generators | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 4 Total Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 5 Total Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Corette | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Crystal Mountain | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 9 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Small Thermal and Miscellaneous-</i> | | | | | | | | | | | | | | |
| 10 Federal System | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11 Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Total Small Thermal & Misc. | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

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Table A-7
Combustion Turbines
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2007 - 2008 Operating Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 508 | 508 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2464 | 2464 | 2474 | 2490 | 2504 | 2513 | 2516 | 2510 | 1588 | 2492 | 2492 | 2235 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 0 | 0 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 1833 | 1833 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2464 | 2464 | 2474 | 2490 | 2504 | 2513 | 2516 | 2510 | 1588 | 2492 | 2492 | 2235 | 2639 | 2625 |
| 42 Other Entities | 1833 | 1833 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 4772 | 4772 | 5103 | 5122 | 5140 | 5151 | 5154 | 5147 | 4224 | 4755 | 4755 | 3247 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 243 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 508 | 508 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Frederickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3662 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 508 | 508 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3419 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 508 | 508 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2666 | 2666 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4929 | 4929 | 3419 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 243 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3662 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 243 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 420 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3662 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Frederickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2016 - 2017 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Boundary CT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 Finley CT | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 4 Frederickson CT | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 5 Hoquiam Diesels | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 6 Olympic View Generating Station | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 | 5.9 |
| 7 Pasco Harbor Generating Station | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 0 | 44 | 44 |
| 8 River Road | 243 | 243 | 244 | 247 | 251 | 253 | 253 | 252 | 251 | 248 | 248 | 0 | 246 | 243 |
| 9 Springfield Gen Farm | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 10 Wauna Peaking Project | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 0 | 11 | 11 |
| 11 Total Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 12 Basin Creek Project | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 13 Beaver | 487 | 487 | 494 | 504 | 514 | 521 | 521 | 518 | 0 | 0 | 0 | 501 | 494 | 487 |
| 14 Beaver 8 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15 Bennett Mountain | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 16 Boulder Park | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 17 Danskin | 87 | 87 | 88 | 89 | 91 | 92 | 93 | 92 | 90 | 88 | 88 | 88 | 87 | 86 |
| 18 Danskin 2 | 168 | 168 | 170 | 175 | 177 | 178 | 180 | 178 | 176 | 174 | 174 | 172 | 168 | 165 |
| 19 Encogen | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 | 169 |
| 20 Fredrickson CT | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 21 Fredonia 1&2 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 | 202 |
| 22 Fredonia 3&4 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 23 Fredrickson 1&2 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 24 Goldendale Energy Center | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 25 Kettle Falls CT | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 26 Northeastern 1 & 2 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 27 Port Westward CCCT | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 0 | 400 | 400 | 400 | 400 | 400 |
| 28 Whitehorn 2 & 3 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| 29 Total Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 30 Big Hanaford CCCT | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 248 | 0 | 248 | 248 |
| 31 Chehalis Generation Facility CCCT | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 0 | 520 |
| 32 Frederickson CT | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 33 Klamath Peaking Unit | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 |
| 34 Lancaster Power Project (Rathdrum) | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 270 | 0 | 0 | 270 | 270 | 270 |
| 35 Longview Fibre CT | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 36 Mint Farm Energy Center | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 0 | 320 | 320 |
| 37 Satsop | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 0 | 650 | 650 |
| 38 Total Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 835 | 1533 | 2153 |
| <i>-Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 39 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 Public Entities | 475 | 475 | 476 | 479 | 483 | 485 | 485 | 484 | 483 | 480 | 480 | 177 | 478 | 475 |
| 41 Investor-Owned Entities | 2632 | 2632 | 2643 | 2664 | 2681 | 2691 | 2696 | 2688 | 1764 | 2158 | 2158 | 2407 | 2639 | 2625 |
| 42 Other Entities | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 2153 | 1783 | 1783 | 835 | 1533 | 2153 |
| 43 Total Combustion Turbines | 5259 | 5259 | 5272 | 5296 | 5317 | 5329 | 5334 | 5325 | 4400 | 4421 | 4421 | 3419 | 4650 | 5253 |

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Table A-8
Renewable Resources
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 0 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 0 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 0 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 45 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 97 | 95 | 94 |

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Georgia-Pacific Paper (Wauna) | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 2 Total Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Coffin Butte | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 4 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Roosevelt Landfill | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 6 Short Mountain | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 7 Total Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 8 Biglow Canyon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 Hopkins Ridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 Horseshoe Bend Wind Park | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Kettle Falls | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 12 Leaning Juniper | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Marengo Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Telocaset | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 Wild Horse Wind Power Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Klondike III | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Renewable Resources-</i> | | | | | | | | | | | | | | |
| 19 Federal System | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| 20 Public Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 21 Investor-Owned Entities | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 0 | 51 | 51 |
| 22 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Total Renewable Resources | 94 | 94 | 95 | 97 | 98 | 100 | 102 | 101 | 100 | 99 | 99 | 46 | 95 | 94 |

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Table A-9
Cogeneration
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 226 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 0 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 759 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 759 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2177 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 226 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 1046 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 1046 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2464 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 226 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 0 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 759 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 759 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2177 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 226 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 1046 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 1046 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2464 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor_Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 0 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2013 - 2014 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 0 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 0 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 533 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 1951 | 2462 | 2438 |

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Federal System-</i> | | | | | | | | | | | | | | |
| 1 Total Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Public Entities-</i> | | | | | | | | | | | | | | |
| 2 Grays Harbor Paper (Grays Harbor Paper) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 3 Sierra Pacific Aberdeen (Sierra Pacific) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 4 WEYCO Energy Center | 20 | 20 | 20 | 20 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 0 |
| 5 Total Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 6 Coyote Springs #1 | 218 | 218 | 223 | 230 | 237 | 242 | 242 | 239 | 235 | 231 | 231 | 0 | 221 | 217 |
| 7 Coyote Springs #2 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 | 287 |
| 8 Georgia-Pacific Paper (Camas) | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 9 Hermiston Cogeneration | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 | 469 |
| 10 Thompson River Co-Gen | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 11 Total Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 12 Coyote Springs #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Georgia Pacific Toledo | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 14 Hermiston Power Project | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 0 | 630 | 630 | 630 | 630 | 630 |
| 15 Klamath Cogeneration Project | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 |
| 16 Longview Fibre Cogen 1-7 | 45 | 45 | 46 | 46 | 49 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 47 | 47 |
| 17 SP Newsprint Cogen | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 Weyerhaeuser Albany (Weyerhaeuser) | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 19 Weyerhaeuser Longview (Weyerhaeuser) | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 20 Total Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| <i>-Cogeneration-</i> | | | | | | | | | | | | | | |
| 21 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Public Entities | 40 | 40 | 40 | 40 | 40 | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 20 |
| 23 Investor-Owned Entities | 1038 | 1038 | 1043 | 1050 | 1057 | 1062 | 1062 | 1059 | 1055 | 1051 | 1051 | 820 | 1041 | 1037 |
| 24 Other Entities | 1378 | 1378 | 1379 | 1379 | 1382 | 1380 | 1378 | 1378 | 748 | 1378 | 1378 | 1378 | 1380 | 1380 |
| 25 Total Cogeneration | 2456 | 2456 | 2462 | 2469 | 2479 | 2462 | 2481 | 2478 | 1843 | 2469 | 2469 | 2238 | 2462 | 2438 |

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Table A-10
Large Thermal
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2008 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2008 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 0 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 0 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 0 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4345 | 4472 | 4472 | 4472 | 4472 | 4472 | 3946 | 3262 | 3788 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6436 | 5082 | 6337 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2008 - 2009 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 0 | 0 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 0 | 0 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2008 - 2009 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4345 | 4472 | 4472 | 4472 | 4472 | 4472 | 3732 | 2672 | 3416 | 4472 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6280 | 5220 | 4086 | 5870 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2009 - 2010 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 0 | 0 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2009 - 2010 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4345 | 4472 | 4472 | 4472 | 3954 | 3424 | 3946 | 4472 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 670 | 1340 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 5832 | 5302 | 6436 | 7020 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2010 - 2011 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 0 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 0 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 0 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2010 - 2011 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4345 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 2886 | 3262 | 3788 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 670 | 1340 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 6350 | 4706 | 4602 | 5187 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2011 - 2012 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 0 | 0 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 0 | 0 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2011 - 2012 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4345 | 4472 | 4472 | 4472 | 4472 | 4472 | 3206 | 3206 | 3942 | 4472 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 6894 | 7020 | 7020 | 7020 | 7020 | 7020 | 5696 | 5696 | 5820 | 7020 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2012 - 2013 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 0 | 0 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 0 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 0 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 0 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2012 - 2013 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 0 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 0 | 0 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4345 | 4345 | 4472 | 4472 | 2898 | 2368 | 4472 | 4472 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 6894 | 6894 | 7020 | 7020 | 5388 | 4858 | 5200 | 5870 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2013 - 2014 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2013 - 2014 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 0 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 0 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 0 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 3946 | 3416 | 3788 | 3788 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 6436 | 5906 | 5667 | 6337 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2014 - 2015 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 0 | 0 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 0 | 0 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 0 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 0 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 0 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2014 - 2015 Operating Year
[43] 2007 White Book (Final)

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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 3206 | 2676 | 3412 | 4472 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5696 | 5166 | 4140 | 5870 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2015 - 2016 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 0 | 0 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 0 | 0 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 0 | 0 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 0 | 0 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 0 | 0 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2015 - 2016 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 3428 | 2898 | 4472 | 3942 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 670 | 1340 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5248 | 4718 | 7020 | 6490 | 7020 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2016 - 2017 Operating Year
[43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|
| -Boardman: Coal- | | | | | | | | | | | | | | |
| 1 Idaho Power Company | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 2 Portland General Electric | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 381 | 0 | 0 | 381 | 381 | 381 |
| 3 San Diego Gas & Electric | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 0 | 0 | 87 | 87 | 87 |
| 4 Turlock Irrigation District | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 5 Boardman: Regional Total | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 585 | 0 | 0 | 585 | 585 | 585 |
| -Centralia #1: Coal- | | | | | | | | | | | | | | |
| 6 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| 7 Centralia #1: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 |
| -Centralia #2: Coal- | | | | | | | | | | | | | | |
| 8 TransAlta Energy Marketing | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| 9 Centralia #2: Regional Total | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 670 | 0 | 0 | 670 | 670 | 670 |
| -Colstrip #1: Coal- | | | | | | | | | | | | | | |
| 10 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| 12 Colstrip #1: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 |
| -Colstrip #2: Coal- | | | | | | | | | | | | | | |
| 13 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 Puget Sound Energy | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| 15 Colstrip #2: Regional Total | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 0 | 0 | 154 |
| -Colstrip #3: Coal- | | | | | | | | | | | | | | |
| 16 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 17 Northwestern Energy LLC (MPC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 20 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 21 Colstrip #3: Regional Total | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| -Colstrip #4: Coal- | | | | | | | | | | | | | | |
| 22 Avista Corp (WWP Division) | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 |
| 23 Northwestern Energy LLC (MPC) | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 | 222 |
| 24 Pacific Power | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 25 Portland General Electric | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 | 148 |
| 26 Puget Sound Energy | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 27 Colstrip #4: Regional Total | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 | 740 |
| -Columbia Generating Station: Uranium- | | | | | | | | | | | | | | |
| 28 BPA - Power Business | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 29 Columbia Gen. Station: Regional Total | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| -Jim Bridger #1: Coal- | | | | | | | | | | | | | | |
| 30 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 31 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 32 Jim Bridger #1: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| -Jim Bridger #2: Coal- | | | | | | | | | | | | | | |
| 33 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 0 | 177 | 177 | 177 |
| 34 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 0 | 353 | 353 | 353 |
| 35 Jim Bridger #2: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 0 | 530 | 530 | 530 |
| -Jim Bridger #3: Coal- | | | | | | | | | | | | | | |
| 36 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 37 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 38 Jim Bridger #3: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2016 - 2017 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Jim Bridger #4: Coal-</i> | | | | | | | | | | | | | | |
| 39 Idaho Power Company | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 | 177 |
| 40 Pacific Power | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 |
| 41 Jim Bridger #4: Regional Total | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| <i>-Valmy #1: Coal-</i> | | | | | | | | | | | | | | |
| 42 Idaho Power Company | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| 43 Valmy #1: Regional Total | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 | 127 |
| <i>-Valmy #2: Coal-</i> | | | | | | | | | | | | | | |
| 44 Idaho Power Company | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| 45 Valmy #2: Regional Total | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 |
| <i>-Total Large Thermal-</i> | | | | | | | | | | | | | | |
| 46 Federal System | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| 47 Public Entities | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 0 | 0 | 58 | 58 | 58 |
| 48 Investor-Owned Entities | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 4472 | 3946 | 3416 | 4318 | 4318 | 4472 |
| 49 Other Entities | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 1340 | 670 | 670 | 1340 | 1340 | 1340 |
| 50 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Total Large Thermal | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 7020 | 5766 | 5236 | 5717 | 5717 | 7020 |

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Table A-11
Restoration
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Restoration adjustments obsolete due to BPA using a
1-year critical period for planning.

Reports Powered by:



Loads and Resources Information System

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Table A-12
Canadian Entitlement Return for CSPE
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Table is obsolete due to expiration of contract on
March 31, 2003

Reports Powered by:



Loads and Resources Information System

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Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Table is obsolete due to expiration of contract on
March 31, 2003

Reports Powered by:



Loads and Resources Information System

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Table A-14
Supplemental & Entitlement Capacity
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Table is obsolete due to expiration of contract on
March 31, 2003

Reports Powered by:



Loads and Resources Information System

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Table A-15
Canadian Entitlement Return for Canada
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 3 COPD to BPA | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 18 PPL to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 19 PSE to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 26 Priest Rapids: Regional Totals | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 48 | 48 | 48 | 48 | 48 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 29 CWPC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 EWEB to BPA | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 31 FGRV to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 32 FREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 GCPD to BPA | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 KOOT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MCMN to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 40 MTRF to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 NLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 PGE to BPA | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 43 PPL to BPA | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 44 PSE to BPA | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Wanapum: Regional Totals | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 46 | 46 | 46 | 46 | 46 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 59 CHPD to BPA | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 |
| 60 CLKM to BPA | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 61 DOPD to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 62 PGE to BPA | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 63 PPL to BPA | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 24 |
| 65 Rocky Reach: Regional Totals | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 62 | 62 | 62 | 62 | 62 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70 PGE to BPA | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 71 PPL to BPA | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 96 | 96 | 96 | 96 | 96 |
| 76 Investor-Owned Entities | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 112 | 112 | 112 | 112 | 112 |
| 77 Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 225 | 225 | 225 | 225 | 225 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 3 COPD to BPA | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 32 | 32 | 32 | 32 | 32 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 18 PPL to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 19 PSE to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 26 Priest Rapids: Regional Totals | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 51 | 51 | 51 | 51 | 51 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 4 | 4 | 4 | 4 | 4 |
| 28 COPD to BPA | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 EWEB to BPA | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 31 FGRV to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 32 FREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 GCPD to BPA | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 KOOT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 MCMN to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 40 MTRF to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 NLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 PGE to BPA | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 43 PPL to BPA | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 44 PSE to BPA | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.3 | 5.3 | 5.3 | 5.3 | 5.3 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 Wanapum: Regional Totals | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 49 | 49 | 49 | 49 | 49 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 6 | 6 | 6 | 6 | 6 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 6 | 6 | 6 | 6 | 6 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.4 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 60 CLKM to BPA | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 63 PPL to BPA | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 64 PSE to BPA | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 65 | 65 | 65 | 65 | 65 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70 PGE to BPA | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 71 PPL to BPA | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 41 | 41 | 41 | 41 | 41 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 101 | 101 | 101 | 101 | 101 |
| 76 Investor-Owned Entities | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 117 | 117 | 117 | 117 | 117 |
| 77 Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 236 | 236 | 236 | 236 | 236 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 2.7 | 2.7 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 3 COPD to BPA | 0.8 | 0.8 | 0.8 | 0.8 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 32 | 32 | 32 | 32 | 21 | 21 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTFR to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 6.1 | 6.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 18 PPL to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 6.1 | 6.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 19 PSE to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 3.5 | 3.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 3.4 | 3.4 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 3.4 | 3.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 26 Priest Rapids: Regional Totals | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 52 | 52 | 52 | 52 | 52 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 4 | 4 | 4 | 4 | 2.6 | 2.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 1.1 | 1.1 | 1.1 | 1.1 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 31 FGRV to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 18 | 18 | 18 | 18 | 20 | 20 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTFR to BPA | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 9.2 | 9.2 | 9.2 | 9.2 | 5.9 | 5.9 | 4.0 | 4.0 | 4.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 43 PPL to BPA | 9.2 | 9.2 | 9.2 | 9.2 | 5.9 | 5.9 | 4.0 | 4.0 | 4.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 44 PSE to BPA | 5.3 | 5.3 | 5.3 | 5.3 | 3.4 | 3.4 | 2.3 | 2.3 | 2.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 0 | 0 | 0 | 0 | 3.2 | 3.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 0 | 0 | 0 | 0 | 3.2 | 3.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 51 Wanapum: Regional Totals | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 50 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 56 PSE to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 57 Rock Island P.H. #2: Regional Totals | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 59 CHPD to BPA | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 10 | 10 | 10 | 10 | 10 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 63 PPL to BPA | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 |
| 65 Rocky Reach: Regional Totals | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 68 | 68 | 68 | 68 | 68 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 71 PPL to BPA | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 |
| 73 Wells: Regional Totals | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 43 | 43 | 43 | 43 | 43 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 101 | 101 | 101 | 101 | 104 | 104 | 116 | 116 | 116 | 119 | 119 | 119 | 119 | 119 |
| 76 Investor-Owned Entities | 117 | 117 | 117 | 117 | 114 | 114 | 102 | 102 | 102 | 106 | 106 | 106 | 106 | 106 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 19 | 19 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 244 | 244 | 244 | 244 | 244 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 COPD to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 18 PPL to BPA | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 |
| 19 PSE to BPA | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 26 Priest Rapids: Regional Totals | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 4.1 | 4.1 | 4.1 | 4.1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 43 PPL to BPA | 4.1 | 4.1 | 4.1 | 4.1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 44 PSE to BPA | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 51 Wanapum: Regional Totals | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 56 PSE to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 57 Rock Island P.H. #2: Regional Totals | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 60 CLKM to BPA | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 63 PPL to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 64 PSE to BPA | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 65 Rocky Reach: Regional Totals | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 67 | 67 | 67 | 67 | 67 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 70 PGE to BPA | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 71 PPL to BPA | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 72 PSE to BPA | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 73 Wells: Regional Totals | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 |
| 76 Investor-Owned Entities | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 105 | 105 | 105 | 105 | 105 |
| 77 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 242 | 242 | 242 | 242 | 242 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 COPD to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 18 PPL to BPA | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 19 PSE to BPA | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 26 Priest Rapids: Regional Totals | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 51 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 4 | 4 | 4 | 4 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 43 PPL to BPA | 4 | 4 | 4 | 4 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 44 PSE to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 51 Wanapum: Regional Totals | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 49 | 49 | 49 | 49 | 49 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 56 PSE to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 57 Rock Island P.H. #2: Regional Totals | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 |
| 63 PPL to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 64 PSE to BPA | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 65 Rocky Reach: Regional Totals | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 66 | 66 | 66 | 66 | 66 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 70 PGE to BPA | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 71 PPL to BPA | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 72 PSE to BPA | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 73 Wells: Regional Totals | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 42 | 42 | 42 | 42 | 42 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 117 |
| 76 Investor-Owned Entities | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 103 | 103 | 103 | 103 | 103 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 238 | 238 | 238 | 238 | 238 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 3 COPD to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 4.1 | 4.1 | 4.1 | 4.1 | 4 | 4 | 4 | 4 | 4 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 18 PPL to BPA | 4.1 | 4.1 | 4.1 | 4.1 | 4 | 4 | 4 | 4 | 4 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 19 PSE to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 26 Priest Rapids: Regional Totals | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 | 50 | 50 | 50 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 PPL to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 PSE to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2 | 2 | 2 | 2 | 2 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2 | 2 | 2 | 2 | 2 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 51 Wanapum: Regional Totals | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 48 | 48 | 48 | 48 | 48 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 63 PPL to BPA | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 64 PSE to BPA | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 65 | 65 | 65 | 65 | 65 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 70 PGE to BPA | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 |
| 71 PPL to BPA | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| 72 PSE to BPA | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 73 Wells: Regional Totals | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 115 | 115 | 115 | 115 | 115 |
| 76 Investor-Owned Entities | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 101 | 101 | 101 | 101 | 101 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 234 | 234 | 234 | 234 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 3 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 18 PPL to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 19 PSE to BPA | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 26 Priest Rapids: Regional Totals | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 43 PPL to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 44 PSE to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 51 Wanapum: Regional Totals | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 63 PPL to BPA | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 67 COLV to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 69 OKPD to BPA | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70 PGE to BPA | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 71 PPL to BPA | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 72 PSE to BPA | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 41 | 41 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 |
| 76 Investor-Owned Entities | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 101 | 100 | 100 | 100 | 100 | 100 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 233 | 233 | 233 | 233 | 233 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 3 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 18 PPL to BPA | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 19 PSE to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 26 Priest Rapids: Regional Totals | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 28 | 28 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 43 PPL to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 |
| 44 PSE to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 2 | 2 | 2 | 2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 2 | 2 | 2 | 2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 51 Wanapum: Regional Totals | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 47 | 47 | 47 | 47 | 47 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 59 CHPD to BPA | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 62 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 |
| 63 PPL to BPA | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 71 PPL to BPA | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 40 | 40 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 115 | 114 | 114 | 114 | 114 | 114 |
| 76 Investor-Owned Entities | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | 99 | 99 | 99 | 99 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 231 | 231 | 231 | 231 | 231 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 3 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 18 PPL to BPA | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 19 PSE to BPA | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 26 Priest Rapids: Regional Totals | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 48 | 48 | 48 | 48 | 48 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 28 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 30 EWEB to BPA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 27 | 27 | 27 | 27 | 27 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 43 PPL to BPA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 44 PSE to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2 | 2 | 2 | 2 | 2 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 51 Wanapum: Regional Totals | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 46 | 46 | 46 | 46 | 46 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 53 PSE to BPA | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 54 Rock Island P.H. #1: Regional Totals | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 59 CHPD to BPA | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 60 CLKM to BPA | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 14 | 14 | 14 | 14 | 14 |
| 61 DOPD to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 62 PGE to BPA | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 63 PPL to BPA | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 63 | 63 | 63 | 63 | 63 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 70 PGE to BPA | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 71 PPL to BPA | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 114 | 111 | 111 | 111 | 111 | 111 |
| 76 Investor-Owned Entities | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 97 | 97 | 97 | 97 | 97 |
| 77 Other Entities | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | 17 | 17 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 225 | 225 | 225 | 225 | 225 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---------------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-BPA Canada-</i> | | | | | | | | | | | | | | |
| 1 BPA: Regional Totals | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Priest Rapids CER for Canada-</i> | | | | | | | | | | | | | | |
| 2 AVWP to BPA | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 3 COPD to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 4 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 EWEB to BPA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 6 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 7 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 8 GCPD to BPA | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 9 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 11 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 12 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 14 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 15 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 16 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 17 PGE to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 18 PPL to BPA | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 19 PSE to BPA | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 20 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 SCL to BPA | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 22 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 TPU to BPA | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 24 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UnknMKT to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 26 Priest Rapids: Regional Totals | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| <i>-Wanapum CER for Canada-</i> | | | | | | | | | | | | | | |
| 27 AVWP to BPA | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 28 COPD to BPA | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 29 CWPC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 |
| 30 EWEB to BPA | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 FGRV to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 32 FREC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 GCPD to BPA | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 34 ICLP to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 KITT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 KOOT to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 37 LREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 LVE to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 39 MCMN to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 40 MTRF to BPA | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 41 NLEC to BPA | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 42 PGE to BPA | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 43 PPL to BPA | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 44 PSE to BPA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 45 RREC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 SCL to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 47 SLEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 TPU to BPA | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 49 UNEC to BPA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 UnknMKT to BPA | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 51 Wanapum: Regional Totals | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 45 | 45 | 45 | 45 | 45 |

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Rock Island P.H. #1 CER for Canada-</i> | | | | | | | | | | | | | | |
| 52 CHPD to BPA | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 53 PSE to BPA | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 54 Rock Island P.H. #1: Regional Totals | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| <i>-Rock Island P.H. #2 CER for Canada-</i> | | | | | | | | | | | | | | |
| 55 CHPD to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 56 PSE to BPA | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 57 Rock Island P.H. #2: Regional Totals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| <i>-Rocky Reach CER for Canada-</i> | | | | | | | | | | | | | | |
| 58 AVWP to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 59 CHPD to BPA | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| 60 CLKM to BPA | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 61 DOPD to BPA | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 62 PGE to BPA | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 63 PPL to BPA | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 64 PSE to BPA | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 65 Rocky Reach: Regional Totals | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| <i>-Wells CER for Canada-</i> | | | | | | | | | | | | | | |
| 66 AVWP to BPA | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 67 COLV to BPA | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 68 DOPD to BPA | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 69 OKPD to BPA | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 70 PGE to BPA | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 | 7.6 | 7.6 | 7.6 | 7.6 | 7.6 |
| 71 PPL to BPA | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 72 PSE to BPA | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 73 Wells: Regional Totals | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 |
| <i>-Total CER For Canada-</i> | | | | | | | | | | | | | | |
| 74 Federal System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 Public Entities | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 110 | 110 | 110 | 110 | 110 |
| 76 Investor-Owned Entities | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 96 | 96 | 96 | 96 | 96 |
| 77 Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 78 Non-NW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 Total CER For Canada | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 223 | 223 | 223 | 223 | 223 |

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Table A-16
Intra-Regional Transfers
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To CCPD PwrS | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 5 BPA To Other Entities | 125 | 125 | 125 | 75 | 75 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA To PPL CapS | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| 7 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 8 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 10 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 11 BPA To PSE PwrS | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 CCPD To Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 13 CHPD To PGE S/N/X | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 |
| 14 CIDF To UPL PwrS | 14 | 14 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 18 | 20 |
| 15 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 ENW To BCPD PwrS | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 17 ENW To FCPD PwrS | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 18 EWEB To COPD PwrS | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 0 | 0 | 0 | 0 | 0 |
| 19 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 20 GCPD To AVWP PwrS | 20 | 20 | 19 | 19 | 19 | 19 | 17 | 18 | 18 | 26 | 26 | 32 | 32 | 28 |
| 21 GCPD To EWEB PwrS | 5.5 | 5.5 | 5.3 | 5.3 | 5.4 | 5.4 | 4.9 | 4.9 | 5.0 | 7.3 | 7.3 | 8.9 | 8.8 | 7.7 |
| 22 GCPD To FGRV PwrS | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 23 GCPD To FREC PwrS | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 24 GCPD To KITT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 25 GCPD To KOOT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 GCPD To LVE PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 GCPD To LVE PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 GCPD To MCMN PwrS | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 29 GCPD To MTRF PwrS | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 30 GCPD To PGE PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 60 | 60 | 73 | 72 | 63 |
| 31 GCPD To PPL PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 60 | 60 | 73 | 72 | 63 |
| 32 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 33 GCPD To PSE PwrS | 26 | 26 | 25 | 25 | 25 | 25 | 23 | 23 | 23 | 34 | 34 | 42 | 42 | 36 |
| 34 GCPD To TPU PwrS | 21 | 21 | 20 | 20 | 20 | 20 | 18 | 18 | 18 | 27 | 27 | 33 | 33 | 29 |
| 35 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 36 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 4 | 4 | 4.8 | 4 | 4 | 4.4 | 4.3 | 4.7 |
| 37 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 38 NWE To PSE PwrS | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 39 Other Entities To AVWP | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 40 Other Entities To BPA | 174 | 174 | 163 | 75 | 75 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Other Entities To DOPD | 16 | 16 | 16 | 24 | 42 | 42 | 42 | 42 | 24 | 16 | 16 | 16 | 16 | 16 |
| 42 Other Entities To PGE | 220 | 220 | 220 | 220 | 520 | 620 | 620 | 620 | 520 | 520 | 520 | 195 | 195 | 220 |
| 43 Other Entities To SHPD | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 44 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 PGE To CHPD S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 48 PPL To BPA PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 49 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 PPL To BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 PPL To CLKM PwrS | 55 | 55 | 80 | 82 | 80 | 53 | 53 | 55 | 55 | 55 | 55 | 53 | 55 | 53 |
| 53 PPL To SCL RenStg | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 54 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 56 SCL To PPL RenStg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 SHPD To PSE PwrS | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 58 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 59 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 60 Total Contracts | 2325 | 2325 | 2373 | 2257 | 2798 | 2899 | 2706 | 2666 | 2436 | 2449 | 2449 | 1912 | 2123 | 2125 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 61 Federal System | 730 | 730 | 759 | 775 | 999 | 1053 | 952 | 908 | 791 | 764 | 764 | 592 | 645 | 660 |
| 62 Public Entities | 424 | 424 | 395 | 303 | 308 | 305 | 289 | 290 | 295 | 340 | 340 | 402 | 457 | 422 |
| 63 Investor-Owned Entities | 681 | 681 | 728 | 731 | 724 | 675 | 675 | 677 | 677 | 681 | 681 | 578 | 681 | 678 |
| 64 Other Entities | 415 | 415 | 415 | 373 | 691 | 791 | 791 | 791 | 673 | 665 | 665 | 340 | 340 | 365 |
| 65 Total Contracts Out | 2250 | 2250 | 2298 | 2182 | 2723 | 2824 | 2706 | 2666 | 2436 | 2449 | 2449 | 1912 | 2123 | 2125 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 66 Federal System | 195 | 195 | 208 | 119 | 115 | 92 | 17 | 17 | 17 | 21 | 21 | 21 | 21 | 21 |
| 67 Public Entities | 232 | 232 | 231 | 238 | 257 | 254 | 251 | 251 | 236 | 216 | 216 | 227 | 227 | 217 |
| 68 Investor-Owned Entities | 1701 | 1701 | 1712 | 1726 | 2253 | 2407 | 2368 | 2325 | 2110 | 2140 | 2140 | 1594 | 1803 | 1817 |
| 69 Other Entities | 122 | 122 | 147 | 99 | 96 | 70 | 70 | 72 | 72 | 72 | 72 | 70 | 72 | 70 |
| 70 Total Contracts In | 2250 | 2250 | 2298 | 2182 | 2723 | 2824 | 2706 | 2666 | 2436 | 2449 | 2449 | 1912 | 2123 | 2125 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To CCPD PwrS | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 5 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 6 BPA To PPL CapS | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| 7 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 8 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 10 BPA To PSE PwrS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CCPD To Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 12 CHPD To PGE S/N/X | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 |
| 13 CIDF To UPL PwrS | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 14 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 ENW To BCPD PwrS | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 ENW To FCPD PwrS | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 18 GCPD To AVWP PwrS | 20 | 20 | 19 | 19 | 19 | 19 | 17 | 18 | 18 | 26 | 26 | 32 | 32 | 28 |
| 19 GCPD To EWEB PwrS | 5.5 | 5.5 | 5.3 | 5.3 | 5.4 | 5.4 | 4.9 | 4.9 | 5.0 | 7.3 | 7.3 | 8.9 | 8.8 | 7.7 |
| 20 GCPD To FGRV PwrS | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 21 GCPD To FREC PwrS | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 22 GCPD To KITT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 23 GCPD To KOOT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 GCPD To LVE PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 GCPD To LVE PwrS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 GCPD To MCMN PwrS | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 27 GCPD To MTRF PwrS | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 2 |
| 28 GCPD To PGE PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 60 | 60 | 73 | 72 | 63 |
| 29 GCPD To PPL PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 60 | 60 | 73 | 72 | 63 |
| 30 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 31 GCPD To PSE PwrS | 26 | 26 | 25 | 25 | 25 | 25 | 23 | 23 | 23 | 34 | 34 | 42 | 42 | 36 |
| 32 GCPD To TPU PwrS | 21 | 21 | 20 | 20 | 20 | 20 | 18 | 18 | 18 | 27 | 27 | 33 | 33 | 29 |
| 33 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 34 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 4 | 4 | 4.8 | 4 | 4 | 4.4 | 4.3 | 4.7 |
| 35 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 36 NWE To PSE PwrS | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 37 Other Entities To AVWP | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 38 Other Entities To DOPD | 17 | 17 | 17 | 27 | 47 | 47 | 47 | 47 | 27 | 17 | 17 | 17 | 17 | 17 |
| 39 Other Entities To PGE | 220 | 220 | 220 | 220 | 520 | 620 | 620 | 620 | 520 | 520 | 520 | 195 | 195 | 220 |
| 40 Other Entities To SHPD | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 41 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 PGE To CHPD S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PPL To BPA PwrS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 |
| 46 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 PPL To BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 PPL To CLKM PwrS | 55 | 55 | 80 | 82 | 80 | 53 | 53 | 55 | 55 | 55 | 55 | 53 | 55 | 53 |
| 50 PPL To SCL RenStg | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 51 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 53 SCL To PPL RenStg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 SHPD To PSE PwrS | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 55 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 56 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 57 Total Contracts | 2003 | 2003 | 2060 | 2080 | 2616 | 2720 | 2674 | 2634 | 2409 | 2445 | 2445 | 2009 | 2008 | 2111 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 58 Federal System | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| 59 Public Entities | 351 | 351 | 331 | 273 | 278 | 278 | 259 | 260 | 265 | 335 | 335 | 397 | 452 | 417 |
| 60 Investor-Owned Entities | 681 | 681 | 728 | 731 | 725 | 675 | 675 | 677 | 677 | 681 | 681 | 678 | 570 | 668 |
| 61 Other Entities | 366 | 366 | 366 | 376 | 696 | 796 | 796 | 796 | 676 | 666 | 666 | 341 | 341 | 366 |
| 62 Total Contracts Out | 2003 | 2003 | 2060 | 2080 | 2616 | 2720 | 2674 | 2634 | 2409 | 2445 | 2445 | 2009 | 2008 | 2111 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 63 Federal System | 21 | 21 | 44 | 44 | 40 | 17 | 17 | 17 | 17 | 21 | 21 | 21 | 11 | 11 |
| 64 Public Entities | 208 | 208 | 207 | 211 | 232 | 232 | 226 | 226 | 209 | 212 | 212 | 223 | 223 | 213 |
| 65 Investor-Owned Entities | 1702 | 1702 | 1712 | 1726 | 2246 | 2400 | 2361 | 2318 | 2110 | 2140 | 2140 | 1695 | 1702 | 1817 |
| 66 Other Entities | 72 | 72 | 96 | 99 | 97 | 70 | 70 | 72 | 72 | 72 | 72 | 70 | 72 | 70 |
| 67 Total Contracts In | 2003 | 2003 | 2060 | 2080 | 2616 | 2720 | 2674 | 2634 | 2409 | 2445 | 2445 | 2009 | 2008 | 2111 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To CCPD PwrS | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 5 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 6 BPA To PPL CapS | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| 7 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 8 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 10 CCPD To Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 11 CHPD To PGE S/N/X | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 |
| 12 CIDF To UPL PwrS | 15 | 15 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 13 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 15 GCPD To AVWP PwrS | 20 | 20 | 19 | 19 | 19 | 19 | 17 | 17 | 18 | 26 | 26 | 32 | 31 | 27 |
| 16 GCPD To EWEB PwrS | 5.5 | 5.5 | 5.3 | 5.3 | 5.4 | 5.4 | 4.9 | 4.9 | 4.9 | 7.3 | 7.3 | 8.9 | 8.8 | 7.7 |
| 17 GCPD To FGRV PwrS | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 18 GCPD To FREC PwrS | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 19 GCPD To KITT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 20 GCPD To KOOT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 GCPD To LVE PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22 GCPD To LVE PwrS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 GCPD To MCMN PwrS | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 24 GCPD To MTRF PwrS | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 25 GCPD To PGE PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 59 | 59 | 72 | 72 | 62 |
| 26 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 27 GCPD To PPL PwrS | 45 | 45 | 43 | 43 | 44 | 44 | 40 | 40 | 40 | 59 | 59 | 72 | 72 | 62 |
| 28 GCPD To PSE PwrS | 26 | 26 | 25 | 25 | 25 | 25 | 23 | 23 | 23 | 34 | 34 | 42 | 41 | 36 |
| 29 GCPD To TPU PwrS | 21 | 21 | 20 | 20 | 11 | 11 | 9.7 | 9.8 | 9.8 | 15 | 15 | 18 | 18 | 15 |
| 30 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 31 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 4 | 4 | 4.8 | 4 | 4 | 4.4 | 4.3 | 4.7 |
| 32 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 33 NWE To PSE PwrS | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 34 Other Entities To AVWP | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 35 Other Entities To DOPD | 19 | 19 | 19 | 29 | 51 | 51 | 51 | 51 | 29 | 19 | 19 | 19 | 19 | 19 |
| 36 Other Entities To PGE | 220 | 220 | 220 | 220 | 520 | 620 | 595 | 595 | 495 | 495 | 495 | 195 | 195 | 195 |
| 37 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 PGE To CHPD S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 41 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 PPL To BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 PPL To CLKM PwrS | 55 | 55 | 80 | 82 | 80 | 53 | 53 | 55 | 55 | 55 | 55 | 53 | 55 | 53 |
| 45 PPL To SCL RenStg | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 46 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 48 SCL To PPL RenStg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 SHPD To PSE PwrS | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 50 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 51 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 52 Total Contracts | 1965 | 1965 | 2022 | 2047 | 2572 | 2676 | 2608 | 2568 | 2325 | 2261 | 2261 | 1943 | 2053 | 2036 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 53 Federal System | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| 54 Public Entities | 346 | 346 | 326 | 273 | 265 | 265 | 249 | 250 | 239 | 309 | 309 | 364 | 419 | 390 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 55 Investor-Owned Entities | 671 | 671 | 718 | 721 | 715 | 665 | 665 | 667 | 667 | 571 | 571 | 668 | 671 | 668 |
| 56 Other Entities | 343 | 343 | 343 | 353 | 675 | 775 | 750 | 750 | 628 | 618 | 618 | 318 | 318 | 318 |
| 57 Total Contracts Out | 1965 | 1965 | 2022 | 2047 | 2572 | 2676 | 2608 | 2568 | 2325 | 2261 | 2261 | 1943 | 2053 | 2036 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 58 Federal System | 11 | 11 | 34 | 34 | 30 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 59 Public Entities | 180 | 180 | 179 | 188 | 199 | 199 | 196 | 196 | 174 | 176 | 176 | 181 | 180 | 177 |
| 60 Investor-Owned Entities | 1701 | 1701 | 1712 | 1726 | 2245 | 2400 | 2336 | 2293 | 2072 | 2001 | 2001 | 1681 | 1789 | 1778 |
| 61 Other Entities | 72 | 72 | 96 | 99 | 97 | 70 | 70 | 72 | 72 | 72 | 72 | 70 | 72 | 70 |
| 62 Total Contracts In | 1965 | 1965 | 2022 | 2047 | 2572 | 2676 | 2608 | 2568 | 2325 | 2261 | 2261 | 1943 | 2053 | 2036 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To CCPD PwrS | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 5 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 6 BPA To PPL CapS | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 | 575 |
| 7 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 8 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 10 CCPD To Other Entities | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 11 CHPD To PGE S/N/X | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 CIDF To UPL PwrS | 14 | 14 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 13 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 15 GCPD To AVWP PwrS | 20 | 20 | 19 | 19 | 19 | 19 | 17 | 17 | 18 | 26 | 26 | 32 | 31 | 27 |
| 16 GCPD To EWEB PwrS | 5.5 | 5.5 | 5.3 | 5.2 | 5.4 | 5.4 | 4.9 | 4.9 | 4.9 | 7.3 | 7.3 | 8.9 | 8.8 | 7.7 |
| 17 GCPD To FGRV PwrS | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 18 GCPD To FREC PwrS | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 19 GCPD To KITT PwrS | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 20 GCPD To KOOT PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 GCPD To LVE PwrS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22 GCPD To LVE PwrS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 GCPD To MCMN PwrS | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 24 GCPD To MTRF PwrS | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 25 GCPD To PGE PwrS | 45 | 45 | 43 | 42 | 44 | 44 | 40 | 40 | 40 | 59 | 59 | 72 | 72 | 62 |
| 26 GCPD To PPL PwrS | 45 | 45 | 43 | 42 | 44 | 44 | 40 | 40 | 40 | 59 | 59 | 72 | 72 | 62 |
| 27 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 28 GCPD To PSE PwrS | 26 | 26 | 25 | 24 | 25 | 25 | 23 | 23 | 23 | 34 | 34 | 42 | 41 | 36 |
| 29 GCPD To TPU PwrS | 11 | 11 | 11 | 10 | 11 | 11 | 9.7 | 9.8 | 9.8 | 15 | 15 | 18 | 18 | 15 |
| 30 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 31 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 4 | 4 | 4.8 | 4 | 4 | 4.4 | 4.3 | 4.7 |
| 32 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 33 NWE To PSE PwrS | 97 | 97 | 97 | 97 | 97 | 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 Other Entities To AVWP | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Other Entities To DOPD | 21 | 21 | 21 | 32 | 56 | 56 | 56 | 56 | 32 | 21 | 21 | 21 | 21 | 21 |
| 36 Other Entities To PGE | 195 | 195 | 195 | 195 | 495 | 495 | 495 | 495 | 495 | 495 | 495 | 195 | 195 | 195 |
| 37 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 PGE To CHPD S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 41 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 PPL To BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 PPL To CLKM PwrS | 55 | 55 | 80 | 82 | 80 | 53 | 53 | 55 | 55 | 55 | 55 | 53 | 55 | 0 |
| 45 PPL To SCL RenStg | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 46 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 48 SCL To PPL RenStg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 50 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 |
| 51 Total Contracts | 1919 | 1919 | 1973 | 1999 | 2539 | 2544 | 2304 | 2264 | 2131 | 2167 | 2066 | 1647 | 1808 | 1738 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 52 Federal System | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| 53 Public Entities | 323 | 323 | 301 | 248 | 253 | 253 | 237 | 238 | 239 | 309 | 309 | 364 | 369 | 340 |
| 54 Investor-Owned Entities | 671 | 671 | 718 | 721 | 714 | 665 | 568 | 570 | 570 | 574 | 474 | 471 | 574 | 519 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 55 Other Entities | 320 | 320 | 320 | 331 | 655 | 655 | 555 | 555 | 531 | 520 | 520 | 220 | 220 | 220 |
| 56 Total Contracts Out | 1919 | 1919 | 1973 | 1999 | 2539 | 2544 | 2304 | 2264 | 2131 | 2167 | 2066 | 1647 | 1808 | 1738 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 57 Federal System | 11 | 11 | 34 | 34 | 30 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 58 Public Entities | 172 | 172 | 168 | 178 | 204 | 204 | 201 | 201 | 177 | 178 | 178 | 183 | 182 | 179 |
| 59 Investor-Owned Entities | 1663 | 1663 | 1674 | 1689 | 2208 | 2263 | 2026 | 1984 | 1875 | 1905 | 1804 | 1384 | 1542 | 1531 |
| 60 Other Entities | 72 | 72 | 96 | 99 | 96 | 70 | 70 | 72 | 72 | 72 | 72 | 70 | 72 | 17 |
| 61 Total Contracts In | 1919 | 1919 | 1973 | 1999 | 2539 | 2544 | 2304 | 2264 | 2131 | 2167 | 2066 | 1647 | 1808 | 1738 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To CCPD PwrS | 17 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 BPA To PPL CapS | 575 | 575 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 7 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 9 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 10 CCPD To Other Entities | 17 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 CIDF To UPL PwrS | 14 | 14 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 18 | 20 |
| 12 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 14 GCPD To AVWP PwrS | 20 | 20 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 GCPD To EWEB PwrS | 5.5 | 5.5 | 5.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 GCPD To FGRV PwrS | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 GCPD To FREC PwrS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 GCPD To KITT PwrS | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 GCPD To KOOT PwrS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 GCPD To LVE PwrS | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 GCPD To LVE PwrS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 GCPD To MCMN PwrS | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 GCPD To MTRF PwrS | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 GCPD To PGE PwrS | 45 | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 GCPD To PPL PwrS | 45 | 45 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 27 GCPD To PSE PwrS | 26 | 26 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 GCPD To TPU PwrS | 11 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 30 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 4 | 4 | 4.8 | 4 | 4 | 4.4 | 4.3 | 4.7 |
| 31 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 32 Other Entities To DOPD | 12 | 12 | 12 | 19 | 33 | 33 | 33 | 33 | 19 | 12 | 12 | 12 | 12 | 12 |
| 33 Other Entities To PGE | 195 | 195 | 195 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 34 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 37 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 PPL To BPA PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 PPL To SCL RenStg | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 43 SCL To PPL RenStg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 45 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 46 Total Contracts | 1608 | 1608 | 1063 | 925 | 1152 | 1183 | 1156 | 1112 | 934 | 902 | 902 | 643 | 803 | 819 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 47 Federal System | 605 | 605 | 59 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| 48 Public Entities | 273 | 273 | 251 | 82 | 82 | 82 | 81 | 81 | 82 | 81 | 81 | 93 | 100 | 102 |
| 49 Investor-Owned Entities | 519 | 519 | 542 | 542 | 538 | 515 | 515 | 515 | 460 | 464 | 464 | 363 | 464 | 464 |
| 50 Other Entities | 211 | 211 | 211 | 193 | 207 | 207 | 207 | 207 | 193 | 186 | 186 | 186 | 186 | 186 |
| 51 Total Contracts Out | 1608 | 1608 | 1063 | 925 | 1152 | 1183 | 1156 | 1112 | 934 | 902 | 902 | 643 | 803 | 819 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 52 Federal System | 11 | 11 | 34 | 34 | 30 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| 53 Public Entities | 163 | 163 | 159 | 127 | 141 | 141 | 141 | 141 | 72 | 65 | 65 | 65 | 65 | 65 |
| 54 Investor-Owned Entities | 1416 | 1416 | 852 | 764 | 980 | 1034 | 1007 | 964 | 854 | 826 | 826 | 567 | 726 | 743 |
| 55 Other Entities | 17 | 17 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 Total Contracts In | 1608 | 1608 | 1063 | 925 | 1152 | 1183 | 1156 | 1112 | 934 | 902 | 902 | 643 | 803 | 819 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 34 |
| 6 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 8 CIDF To UPL PwrS | 14 | 14 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 18 | 20 |
| 9 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 11 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 13 NWCP To PSE PwrS | 4 | 4 | 4.7 | 4.9 | 4.9 | 4.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 15 Other Entities To DOPD | 14 | 14 | 14 | 22 | 39 | 39 | 39 | 39 | 22 | 14 | 14 | 14 | 14 | 14 |
| 16 Other Entities To PGE | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 17 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 20 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 24 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 25 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 |
| 26 Total Contracts | 760 | 760 | 799 | 873 | 1103 | 1134 | 1103 | 1059 | 932 | 900 | 900 | 741 | 700 | 816 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 27 Federal System | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| 28 Public Entities | 95 | 95 | 82 | 82 | 82 | 82 | 77 | 77 | 77 | 77 | 77 | 89 | 95 | 97 |
| 29 Investor-Owned Entities | 464 | 464 | 487 | 487 | 483 | 460 | 460 | 460 | 460 | 464 | 464 | 464 | 363 | 464 |
| 30 Other Entities | 188 | 188 | 188 | 196 | 213 | 213 | 213 | 213 | 196 | 188 | 188 | 188 | 188 | 188 |
| 31 Total Contracts Out | 760 | 760 | 799 | 873 | 1103 | 1134 | 1103 | 1059 | 932 | 900 | 900 | 741 | 700 | 816 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 32 Federal System | 11 | 11 | 34 | 34 | 30 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 33 Public Entities | 67 | 67 | 67 | 75 | 92 | 92 | 92 | 92 | 75 | 67 | 67 | 67 | 67 | 67 |
| 34 Investor-Owned Entities | 682 | 682 | 698 | 764 | 980 | 1034 | 1003 | 960 | 849 | 822 | 822 | 663 | 621 | 738 |
| 35 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Total Contracts In | 760 | 760 | 799 | 873 | 1103 | 1134 | 1103 | 1059 | 932 | 900 | 900 | 741 | 700 | 816 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 BPA To PPL S/Pwr/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 BPA To PPL S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 8 CIDF To UPL PwrS | 15 | 15 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 18 | 20 |
| 9 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 EWEB To PGE CapS | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 |
| 11 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 12 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 13 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 14 Other Entities To DOPD | 16 | 16 | 16 | 24 | 42 | 42 | 42 | 42 | 24 | 16 | 16 | 16 | 16 | 16 |
| 15 Other Entities To PGE | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 16 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 PGE To EWEB PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 19 PPL To BPA S/Pwr/X | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 PPL To BPA S/N/X | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 23 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 24 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 25 Total Contracts | 758 | 758 | 796 | 870 | 1101 | 1132 | 1106 | 1062 | 934 | 902 | 902 | 642 | 767 | 774 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 26 Federal System | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| 27 Public Entities | 92 | 92 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 | 89 | 95 | 87 |
| 28 Investor-Owned Entities | 464 | 464 | 487 | 487 | 483 | 460 | 460 | 460 | 460 | 464 | 464 | 363 | 464 | 464 |
| 29 Other Entities | 190 | 190 | 190 | 198 | 216 | 216 | 216 | 216 | 198 | 190 | 190 | 190 | 190 | 190 |
| 30 Total Contracts Out | 758 | 758 | 796 | 870 | 1101 | 1132 | 1106 | 1062 | 934 | 902 | 902 | 642 | 767 | 774 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 31 Federal System | 11 | 11 | 34 | 34 | 30 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 32 Public Entities | 69 | 69 | 69 | 77 | 95 | 95 | 95 | 95 | 77 | 69 | 69 | 69 | 69 | 69 |
| 33 Investor-Owned Entities | 678 | 678 | 693 | 759 | 975 | 1030 | 1003 | 960 | 849 | 822 | 822 | 562 | 687 | 694 |
| 34 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Total Contracts In | 758 | 758 | 796 | 870 | 1101 | 1132 | 1106 | 1062 | 934 | 902 | 902 | 642 | 767 | 774 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 6 CIDF To UPL PwrS | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 7 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 9 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 10 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 11 Other Entities To DOPD | 18 | 18 | 18 | 27 | 47 | 47 | 47 | 47 | 27 | 18 | 18 | 18 | 18 | 18 |
| 12 Other Entities To PGE | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 13 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 15 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 17 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 |
| 19 Total Contracts | 750 | 750 | 765 | 840 | 1073 | 1127 | 1101 | 1057 | 927 | 894 | 894 | 735 | 659 | 776 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 20 Federal System | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| 21 Public Entities | 82 | 82 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 79 | 86 | 87 |
| 22 Investor-Owned Entities | 464 | 464 | 464 | 464 | 460 | 460 | 460 | 460 | 460 | 464 | 464 | 464 | 363 | 464 |
| 23 Other Entities | 192 | 192 | 192 | 201 | 221 | 221 | 221 | 221 | 201 | 192 | 192 | 192 | 192 | 192 |
| 24 Total Contracts Out | 750 | 750 | 765 | 840 | 1073 | 1127 | 1101 | 1057 | 927 | 894 | 894 | 735 | 659 | 776 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 25 Federal System | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 26 Public Entities | 71 | 71 | 71 | 80 | 100 | 100 | 100 | 100 | 80 | 71 | 71 | 71 | 71 | 71 |
| 27 Investor-Owned Entities | 668 | 668 | 683 | 749 | 965 | 1020 | 993 | 950 | 839 | 812 | 812 | 652 | 577 | 694 |
| 28 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Total Contracts In | 750 | 750 | 765 | 840 | 1073 | 1127 | 1101 | 1057 | 927 | 894 | 894 | 735 | 659 | 776 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 6 CIDF To UPL PwrS | 15 | 15 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 7 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 9 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 10 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 11 Other Entities To DOPD | 20 | 20 | 20 | 30 | 53 | 53 | 53 | 53 | 30 | 20 | 20 | 20 | 20 | 20 |
| 12 Other Entities To PGE | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 13 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 15 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 17 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 19 Total Contracts | 752 | 752 | 767 | 843 | 1079 | 1133 | 1107 | 1063 | 930 | 796 | 796 | 737 | 761 | 778 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 20 Federal System | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| 21 Public Entities | 82 | 82 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 79 | 86 | 87 |
| 22 Investor-Owned Entities | 464 | 464 | 464 | 464 | 460 | 460 | 460 | 460 | 460 | 363 | 363 | 464 | 464 | 464 |
| 23 Other Entities | 194 | 194 | 194 | 204 | 227 | 227 | 227 | 227 | 204 | 194 | 194 | 194 | 194 | 194 |
| 24 Total Contracts Out | 752 | 752 | 767 | 843 | 1079 | 1133 | 1107 | 1063 | 930 | 796 | 796 | 737 | 761 | 778 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 25 Federal System | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 26 Public Entities | 73 | 73 | 73 | 83 | 106 | 106 | 106 | 106 | 83 | 73 | 73 | 73 | 73 | 73 |
| 27 Investor-Owned Entities | 668 | 668 | 683 | 749 | 965 | 1020 | 993 | 950 | 839 | 712 | 712 | 653 | 677 | 694 |
| 28 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Total Contracts In | 752 | 752 | 767 | 843 | 1079 | 1133 | 1107 | 1063 | 930 | 796 | 796 | 737 | 761 | 778 |

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Intra-Regional Transfers-</i> | | | | | | | | | | | | | | |
| 1 AVWP To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 AVWP To PGE CapS | 150 | 150 | 150 | 150 | 150 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 BPA To AVWP WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 4 BPA To PPL PwrS | 13 | 13 | 42 | 108 | 161 | 215 | 189 | 145 | 117 | 90 | 90 | 0.1 | 18 | 34 |
| 5 BPA To PSE WP3Set | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 82 | 41 | 41 | 41 | 0 | 0 | 0 |
| 6 CIDF To UPL PwrS | 15 | 15 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 19 | 20 |
| 7 DOPD To Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 GCPD To PPL PwrS | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 9 KLCK To SHPD PwrS | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 10 NWE To MVP PwrS | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 11 Other Entities To DOPD | 22 | 22 | 22 | 33 | 60 | 60 | 60 | 60 | 33 | 22 | 22 | 22 | 22 | 22 |
| 12 Other Entities To PGE | 170 | 170 | 170 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 13 PGE To AVWP PkRepl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 PGE To PPL Cove Repl | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 15 PSE To BPA WP3Set | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 SCL To POPD PwrS | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 17 SPN To PGE PwrS | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| 18 TAUC To AVWP PwrS | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 |
| 19 Total Contracts | 754 | 754 | 769 | 746 | 986 | 1040 | 864 | 820 | 683 | 649 | 649 | 489 | 514 | 530 |
| <i>-Total Contracts Out-</i> | | | | | | | | | | | | | | |
| 20 Federal System | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| 21 Public Entities | 82 | 82 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 79 | 86 | 87 |
| 22 Investor-Owned Entities | 464 | 464 | 464 | 364 | 360 | 360 | 210 | 210 | 210 | 214 | 214 | 214 | 214 | 214 |
| 23 Other Entities | 196 | 196 | 196 | 207 | 234 | 234 | 234 | 234 | 207 | 196 | 196 | 196 | 196 | 196 |
| 24 Total Contracts Out | 754 | 754 | 769 | 746 | 986 | 1040 | 864 | 820 | 683 | 649 | 649 | 489 | 514 | 530 |
| <i>-Total Contracts In-</i> | | | | | | | | | | | | | | |
| 25 Federal System | 11 | 11 | 11 | 11 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 11 | 11 | 11 | 11 | 11 |
| 26 Public Entities | 75 | 75 | 75 | 86 | 113 | 113 | 113 | 113 | 86 | 75 | 75 | 75 | 75 | 75 |
| 27 Investor-Owned Entities | 668 | 668 | 683 | 649 | 865 | 920 | 743 | 700 | 589 | 562 | 562 | 403 | 427 | 444 |
| 28 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 Total Contracts In | 754 | 754 | 769 | 746 | 986 | 1040 | 864 | 820 | 683 | 649 | 649 | 489 | 514 | 530 |

Table A-17
Capacity Reserves
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1042 | 1037 | 1055 | 1061 | 1071 | 1050 | 1045 | 1045 | 1035 | 999 | 989 | 1024 | 1062 | 1058 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1042 | 1037 | 1055 | 1061 | 1071 | 1050 | 1045 | 1046 | 1036 | 999 | 989 | 1024 | 1062 | 1058 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.1 | 6.1 | 5.8 | 6.2 | 5.8 | 5.2 | 4.9 | 4.7 | 4.9 | 4.9 | 5.0 | 1.9 | 6.1 | 6.1 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.5 | 4.5 | 4.6 | 4.5 | 4.3 | 4.2 | 4.0 | 4.4 | 5.5 | 6.3 | 6.3 | 8.1 | 7.5 | 5.8 |
| 9 Grant County PUD #2 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 83 | 80 | 84 | 78 | 83 | 83 | 82 | 81 | 81 | 80 | 80 | 85 | 91 | 83 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 33 | 33 | 40 | 35 | 39 | 36 | 31 | 26 | 22 | 24 | 30 | 17 | 36 | 34 |
| 16 Total Generating Public Entities | 224 | 222 | 232 | 221 | 229 | 226 | 219 | 214 | 208 | 212 | 218 | 209 | 238 | 226 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 28 Forest Grove, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Franklin County PUD #1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 0 | 0 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0 | 0 | 0 | 0 | 0 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 40 Milton-Freewater, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 41 Northern Lights | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Total Non-Generating Public Entities | 7.3 | 7.3 | 7.8 | 7.7 | 7.6 | 7.7 | 7.7 | 7.8 | 8 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 56 | 56 | 56 | 56 | 56 | 55 | 55 | 54 | 55 | 55 | 55 | 54 | 55 | 55 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 56 | 56 | 59 | 59 | 58 | 56 | 53 | 52 | 53 | 54 | 55 | 41 | 60 | 57 |
| 54 Portland General Electric | 50 | 50 | 50 | 50 | 50 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 71 | 71 | 71 | 69 | 71 | 71 | 70 | 69 | 69 | 69 | 69 | 69 | 70 | 71 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 332 | 331 | 339 | 334 | 327 | 331 | 326 | 324 | 323 | 331 | 332 | 314 | 331 | 330 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 2.9 | 2.9 | 2.1 | 3.0 | 3.5 | 3.1 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.8 | 2.9 | 2.7 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 4.4 | 4.4 | 3.6 | 4.5 | 5.0 | 4.6 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 5.3 | 4.4 | 4.2 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 21 | 35 | 35 |
| 102 Idaho Power Company | 21 | 21 | 20 | 19 | 19 | 18 | 18 | 18 | 19 | 20 | 20 | 22 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.6 | 4.7 | 4.4 | 4.5 | 4.6 | 4.5 | 4.3 | 4.2 | 4.2 | 5 | 4.8 | 4.7 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 60 | 60 | 59 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 233 | 233 | 233 | 234 | 234 | 235 | 235 | 235 | 189 | 229 | 230 | 199 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 0 | 0 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 162 | 162 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 135 | 154 | 154 | 154 | 154 | 154 | 145 | 119 | 127 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 181 | 181 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 44 | 44 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 652 | 671 | 671 | 671 | 671 | 671 | 592 | 489 | 568 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Avista Corp (WWP Division) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 145 Northwestern Energy LLC (MPC) | 36 | 31 | 30 | 31 | 23 | 32 | 28 | 28 | 19 | 18 | 20 | 39 | 45 | 38 |
| 146 Pacific Power | 24 | 24 | 15 | 20 | 23 | 30 | 21 | 27 | 22 | 22 | 22 | 20 | 25 | 27 |
| 147 Total Investor-Owned Entities | 65 | 60 | 50 | 57 | 51 | 66 | 54 | 60 | 45 | 45 | 47 | 64 | 76 | 69 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 148 Colockum Transmission Company | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| 149 Total Other Entities | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 150 Total Hydro Reserves | 1631 | 1621 | 1658 | 1648 | 1659 | 1639 | 1622 | 1615 | 1599 | 1574 | 1571 | 1580 | 1663 | 1646 |
| 151 Total Small Thermal & Misc Reserves | 437 | 436 | 449 | 448 | 447 | 446 | 447 | 447 | 368 | 427 | 428 | 340 | 436 | 465 |
| 152 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1034 | 1053 | 1053 | 1053 | 1053 | 1053 | 965 | 762 | 951 | 1053 |
| 153 Total Contract Reserves | 117 | 112 | 126 | 135 | 126 | 117 | 104 | 113 | 98 | 97 | 99 | 114 | 128 | 119 |
| 154 Total Capacity Reserves | 3237 | 3223 | 3286 | 3283 | 3265 | 3255 | 3226 | 3228 | 3118 | 3152 | 3064 | 2795 | 3178 | 3282 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1042 | 1037 | 1055 | 1061 | 1071 | 1050 | 1045 | 1045 | 1035 | 999 | 989 | 1024 | 1062 | 1058 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1042 | 1037 | 1055 | 1061 | 1071 | 1050 | 1045 | 1046 | 1036 | 999 | 989 | 1024 | 1062 | 1058 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.1 | 6.1 | 5.8 | 6.2 | 5.8 | 5.2 | 4.9 | 4.7 | 4.9 | 4.9 | 5.0 | 1.9 | 6.1 | 6.1 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.5 | 4.5 | 4.6 | 4.5 | 4.3 | 4.2 | 4.0 | 4.4 | 5.5 | 6.3 | 6.3 | 8.1 | 7.5 | 5.8 |
| 9 Grant County PUD #2 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 83 | 80 | 84 | 78 | 83 | 83 | 82 | 81 | 81 | 80 | 80 | 85 | 91 | 83 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 33 | 33 | 40 | 35 | 39 | 36 | 31 | 26 | 22 | 24 | 30 | 17 | 36 | 34 |
| 16 Total Generating Public Entities | 224 | 222 | 232 | 221 | 229 | 226 | 219 | 214 | 208 | 212 | 218 | 209 | 238 | 226 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 28 Forest Grove, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Franklin County PUD #1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 0 | 0 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0 | 0 | 0 | 0 | 0 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 40 Milton-Freewater, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 41 Northern Lights | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 Total Non-Generating Public Entities | 7.3 | 7.3 | 7.8 | 7.7 | 7.6 | 7.7 | 7.7 | 7.8 | 8 | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 56 | 56 | 56 | 56 | 56 | 55 | 55 | 54 | 55 | 55 | 55 | 54 | 55 | 55 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 56 | 56 | 59 | 59 | 57 | 55 | 52 | 51 | 53 | 54 | 54 | 40 | 59 | 56 |
| 54 Portland General Electric | 50 | 50 | 50 | 50 | 50 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
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 1937 Water Year
 [43] 2007 White Book (Final)

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3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 71 | 71 | 71 | 69 | 71 | 71 | 70 | 69 | 69 | 69 | 69 | 69 | 70 | 71 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 332 | 331 | 339 | 334 | 326 | 331 | 325 | 323 | 323 | 331 | 332 | 314 | 330 | 330 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 2.9 | 2.9 | 2.1 | 3.0 | 3.5 | 3.1 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.8 | 2.9 | 2.7 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 4.4 | 4.4 | 3.6 | 4.5 | 5.0 | 4.6 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 5.3 | 4.4 | 4.2 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 30 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 32 | 32 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.6 | 4.7 | 4.4 | 4.5 | 4.6 | 4.5 | 4.3 | 4.2 | 4.2 | 5 | 4.9 | 4.7 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 60 | 60 | 59 | 58 | 57 |

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 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 198 | 238 | 238 | 219 | 243 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 135 | 154 | 154 | 154 | 154 | 154 | 154 | 101 | 119 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 0 | 0 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 223 | 117 | 181 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 44 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 652 | 671 | 671 | 671 | 671 | 671 | 560 | 401 | 512 | 671 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Avista Corp (WWP Division) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 145 Northwestern Energy LLC (MPC) | 36 | 61 | 60 | 32 | 24 | 32 | 29 | 29 | 19 | 19 | 21 | 39 | 32 | 38 |
| 146 Pacific Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147 Total Investor-Owned Entities | 41 | 66 | 65 | 37 | 29 | 37 | 34 | 34 | 24 | 24 | 26 | 44 | 36 | 43 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 148 Colockum Transmission Company | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| 149 Total Other Entities | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 150 Total Hydro Reserves | 1631 | 1621 | 1658 | 1648 | 1658 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1662 | 1645 |
| 151 Total Small Thermal & Misc Reserves | 462 | 462 | 459 | 457 | 456 | 455 | 456 | 456 | 377 | 436 | 437 | 372 | 434 | 465 |
| 152 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1034 | 1053 | 1053 | 1053 | 1053 | 1053 | 942 | 783 | 613 | 881 | 1053 |
| 153 Total Contract Reserves | 94 | 118 | 141 | 115 | 104 | 87 | 84 | 86 | 77 | 76 | 78 | 95 | 89 | 93 |
| 154 Total Capacity Reserves | 3240 | 3255 | 3311 | 3254 | 3272 | 3234 | 3215 | 3210 | 3106 | 3028 | 2869 | 2659 | 3066 | 3256 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1053 | 1048 | 1055 | 1061 | 1071 | 1050 | 1045 | 1045 | 1035 | 999 | 989 | 1024 | 1062 | 1058 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1053 | 1048 | 1055 | 1061 | 1071 | 1050 | 1045 | 1046 | 1036 | 999 | 989 | 1024 | 1062 | 1058 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.1 | 6.1 | 5.8 | 6.2 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.5 | 4.5 | 4.6 | 4.5 | 4.2 | 4.1 | 3.4 | 3.8 | 5.0 | 5.8 | 5.7 | 7.5 | 6.9 | 5.3 |
| 9 Grant County PUD #2 | 44 | 44 | 44 | 44 | 37 | 37 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 83 | 80 | 84 | 78 | 88 | 89 | 85 | 84 | 84 | 84 | 84 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 33 | 33 | 40 | 35 | 43 | 40 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 224 | 222 | 232 | 221 | 232 | 229 | 233 | 227 | 222 | 226 | 231 | 223 | 251 | 239 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0.9 | 0.9 | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 0 | 0 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0 | 0 | 0 | 0 | 0 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 7.3 | 7.3 | 7.8 | 7.7 | 7.8 | 7.9 | 7.9 | 8.0 | 8.2 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 56 | 56 | 56 | 56 | 55 | 55 | 53 | 52 | 53 | 53 | 53 | 52 | 53 | 54 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 55 | 55 | 58 | 59 | 56 | 54 | 48 | 47 | 48 | 49 | 50 | 36 | 55 | 52 |
| 54 Portland General Electric | 50 | 50 | 50 | 50 | 49 | 50 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 71 | 71 | 71 | 69 | 70 | 70 | 67 | 66 | 67 | 67 | 67 | 67 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 332 | 330 | 338 | 334 | 323 | 328 | 312 | 310 | 309 | 317 | 318 | 300 | 318 | 317 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 2.9 | 2.9 | 2.1 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 4.4 | 4.4 | 3.6 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 21 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.6 | 4.7 | 4.5 | 4.6 | 4.6 | 4.5 | 4.3 | 4.3 | 4.3 | 5.1 | 5.3 | 4.7 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 60 | 60 | 59 | 58 | 57 |

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 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 198 | 238 | 238 | 208 | 246 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 135 | 154 | 154 | 154 | 154 | 127 | 145 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 223 | 170 | 234 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 44 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 652 | 671 | 671 | 671 | 593 | 514 | 592 | 671 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Avista Corp (WWP Division) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 145 Northwestern Energy LLC (MPC) | 37 | 32 | 32 | 33 | 24 | 33 | 30 | 30 | 20 | 19 | 22 | 40 | 47 | 39 |
| 146 Total Investor-Owned Entities | 42 | 37 | 37 | 38 | 29 | 38 | 35 | 35 | 25 | 24 | 27 | 45 | 52 | 44 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 147 Colockum Transmission Company | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| 148 Total Other Entities | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 50 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 149 Total Hydro Reserves | 1641 | 1631 | 1657 | 1648 | 1658 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 150 Total Small Thermal & Misc Reserves | 462 | 462 | 459 | 458 | 457 | 456 | 457 | 457 | 378 | 437 | 438 | 349 | 438 | 466 |
| 151 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1034 | 1053 | 1053 | 1053 | 875 | 795 | 965 | 1053 | 1053 |
| 152 Total Contract Reserves | 95 | 90 | 112 | 116 | 105 | 88 | 85 | 87 | 78 | 77 | 79 | 95 | 104 | 94 |
| 153 Total Capacity Reserves | 3251 | 3236 | 3282 | 3275 | 3273 | 3217 | 3217 | 3212 | 3107 | 2963 | 2883 | 2988 | 3258 | 3259 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1053 | 1048 | 1055 | 1061 | 1071 | 1050 | 1045 | 1045 | 1035 | 999 | 989 | 1024 | 1062 | 1058 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1053 | 1048 | 1055 | 1061 | 1071 | 1050 | 1045 | 1046 | 1036 | 999 | 989 | 1024 | 1062 | 1058 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.0 | 4.0 | 4 | 3.9 | 3.7 | 3.7 | 3.4 | 3.8 | 5.0 | 5.7 | 5.7 | 7.5 | 6.9 | 5.3 |
| 9 Grant County PUD #2 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 84 | 87 | 82 | 86 | 87 | 85 | 84 | 84 | 84 | 84 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 43 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 238 | 235 | 245 | 234 | 243 | 240 | 233 | 227 | 222 | 226 | 232 | 223 | 252 | 240 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0.9 | 0.9 | 0.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 0 | 0 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.7 | 0 | 0 | 0 | 0 | 0 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 7.5 | 7.5 | 8 | 6.4 | 6.5 | 6.4 | 6.4 | 6.5 | 6.7 | 6 | 6 | 6 | 6 | 6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 54 | 54 | 54 | 54 | 54 | 53 | 53 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 51 | 51 | 54 | 54 | 53 | 51 | 48 | 47 | 48 | 49 | 50 | 36 | 55 | 52 |
| 54 Portland General Electric | 47 | 46 | 46 | 47 | 46 | 47 | 47 | 46 | 47 | 47 | 47 | 46 | 47 | 46 |

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 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 67 | 67 | 66 | 67 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 319 | 317 | 325 | 321 | 313 | 317 | 311 | 309 | 309 | 317 | 318 | 300 | 317 | 317 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 35 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.6 | 4.7 | 4.9 | 5.0 | 5.0 | 4.9 | 4.7 | 4.7 | 4.7 | 5.1 | 4.9 | 4.7 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 60 | 60 | 59 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 198 | 239 | 239 | 222 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 135 | 154 | 154 | 154 | 154 | 154 | 154 | 92 | 119 | 127 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 128 | 181 | 181 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 44 | 44 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 652 | 671 | 671 | 671 | 671 | 671 | 671 | 433 | 489 | 568 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

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| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Avista Corp (WWP Division) | 5 | 5 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 Northwestern Energy LLC (MPC) | 38 | 33 | 33 | 33 | 40 | 49 | 31 | 31 | 21 | 20 | 22 | 27 | 33 | 26 |
| 146 Total Investor-Owned Entities | 43 | 38 | 38 | 38 | 45 | 54 | 31 | 31 | 21 | 20 | 22 | 27 | 33 | 26 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 147 Colockum Transmission Company | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 0 |
| 148 Total Other Entities | 52 | 52 | 76 | 78 | 76 | 50 | 50 | 52 | 52 | 53 | 53 | 50 | 52 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 149 Total Hydro Reserves | 1641 | 1632 | 1658 | 1647 | 1658 | 1637 | 1620 | 1613 | 1597 | 1572 | 1569 | 1577 | 1662 | 1644 |
| 150 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 438 | 438 | 363 | 437 | 466 |
| 151 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1034 | 1053 | 1053 | 1053 | 1053 | 1053 | 953 | 706 | 690 | 778 | 1053 |
| 152 Total Contract Reserves | 96 | 90 | 113 | 116 | 121 | 104 | 81 | 83 | 73 | 73 | 75 | 77 | 86 | 26 |
| 153 Total Capacity Reserves | 3253 | 3239 | 3285 | 3255 | 3288 | 3251 | 3212 | 3206 | 3102 | 3035 | 2788 | 2708 | 2963 | 3189 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1053 | 1048 | 1055 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1053 | 1048 | 1055 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.0 | 4.0 | 4 | 3.9 | 3.7 | 3.6 | 3.4 | 3.8 | 5.0 | 5.7 | 5.7 | 7.5 | 6.9 | 5.2 |
| 9 Grant County PUD #2 | 52 | 52 | 52 | 52 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 84 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 84 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 43 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 238 | 235 | 246 | 235 | 243 | 240 | 233 | 227 | 222 | 226 | 232 | 223 | 252 | 240 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 0 | 0 | 0 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 0 | 0 | 0.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 6 | 6 | 6.5 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 54 | 54 | 54 | 54 | 54 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 51 | 51 | 54 | 54 | 53 | 50 | 48 | 47 | 48 | 49 | 50 | 35 | 55 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 47 | 46 | 46 | 46 |

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 PNW Loads and Resource Study
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 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 67 | 67 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 319 | 317 | 325 | 320 | 313 | 316 | 311 | 309 | 308 | 317 | 318 | 299 | 317 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 30 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 18 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.6 | 4.7 | 4.9 | 5.0 | 5.0 | 4.9 | 4.8 | 4.7 | 4.7 | 5.1 | 4.9 | 4.7 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 198 | 213 | 213 | 194 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 135 | 154 | 154 | 154 | 154 | 154 | 145 | 145 | 127 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 0 | 0 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 223 | 223 | 181 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 22 | 22 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 652 | 671 | 671 | 671 | 671 | 671 | 481 | 481 | 591 | 671 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 24 | 19 | 19 | 20 | 26 | 35 | 32 | 32 | 22 | 21 | 23 | 28 | 34 | 26 |
| 145 Total Investor-Owned Entities | 24 | 19 | 19 | 20 | 26 | 35 | 32 | 32 | 22 | 21 | 23 | 28 | 34 | 26 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1640 | 1630 | 1656 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 347 | 437 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1034 | 1053 | 1053 | 1053 | 1053 | 1053 | 854 | 854 | 873 | 1053 | 1053 |
| 150 Total Contract Reserves | 24 | 19 | 19 | 20 | 26 | 35 | 32 | 32 | 22 | 21 | 23 | 28 | 34 | 26 |
| 151 Total Capacity Reserves | 3180 | 3166 | 3189 | 3160 | 3195 | 3183 | 3164 | 3156 | 3052 | 2861 | 2861 | 2827 | 3188 | 3191 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.0 | 3.9 | 4.0 | 3.9 | 3.7 | 3.6 | 3.4 | 3.8 | 4.9 | 5.7 | 5.7 | 7.5 | 6.9 | 5.2 |
| 9 Grant County PUD #2 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 84 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 83 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 43 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 238 | 235 | 246 | 235 | 244 | 240 | 234 | 228 | 223 | 226 | 232 | 224 | 252 | 240 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 1.0 | 1.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 8.5 | 8.5 | 9 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 54 | 54 | 54 | 54 | 53 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 51 | 50 | 53 | 54 | 52 | 50 | 48 | 46 | 48 | 49 | 50 | 35 | 55 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 66 | 67 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 318 | 317 | 325 | 320 | 312 | 316 | 311 | 309 | 308 | 316 | 317 | 299 | 317 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 30 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 32 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.6 | 4.6 | 4.7 | 4.8 | 4.9 | 5.0 | 5 | 4.9 | 4.8 | 4.7 | 4.7 | 5.1 | 5.3 | 4.8 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 198 | 213 | 213 | 208 | 246 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 135 | 135 | 154 | 154 | 119 | 92 | 154 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 170 | 117 | 234 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 22 | 22 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 652 | 652 | 671 | 671 | 435 | 355 | 671 | 671 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 25 | 20 | 20 | 21 | 27 | 36 | 33 | 33 | 23 | 22 | 24 | 28 | 35 | 27 |
| 145 Total Investor-Owned Entities | 25 | 20 | 20 | 21 | 27 | 36 | 33 | 33 | 23 | 22 | 24 | 28 | 35 | 27 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1641 | 1632 | 1658 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 361 | 438 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1034 | 1034 | 1053 | 1053 | 808 | 729 | 780 | 881 | 1053 |
| 150 Total Contract Reserves | 25 | 20 | 20 | 21 | 27 | 36 | 33 | 33 | 23 | 22 | 24 | 28 | 35 | 27 |
| 151 Total Capacity Reserves | 3183 | 3168 | 3192 | 3180 | 3196 | 3165 | 3146 | 3157 | 3053 | 2816 | 2736 | 2749 | 3017 | 3192 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.0 | 3.9 | 4.0 | 3.9 | 3.7 | 3.6 | 3.6 | 4.0 | 5.1 | 5.9 | 5.9 | 7.7 | 7.1 | 5.4 |
| 9 Grant County PUD #2 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 84 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 83 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 42 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 238 | 236 | 246 | 235 | 244 | 241 | 234 | 228 | 223 | 227 | 233 | 224 | 253 | 241 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 1.0 | 1.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 8.5 | 8.5 | 9 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 53 | 53 | 53 | 53 | 53 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 50 | 50 | 53 | 54 | 52 | 50 | 47 | 46 | 47 | 49 | 49 | 35 | 55 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 66 | 67 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 318 | 317 | 325 | 320 | 312 | 316 | 310 | 308 | 308 | 316 | 317 | 299 | 316 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 21 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.7 | 4.7 | 4.7 | 4.8 | 4.9 | 5 | 5.1 | 5.0 | 4.8 | 4.7 | 4.7 | 5.2 | 5.0 | 4.8 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 199 | 213 | 213 | 196 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 145 | 119 | 127 | 127 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 181 | 181 | 181 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 44 | 44 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 592 | 512 | 568 | 568 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 26 | 21 | 21 | 21 | 28 | 37 | 33 | 33 | 23 | 23 | 25 | 30 | 36 | 28 |
| 145 Total Investor-Owned Entities | 26 | 21 | 21 | 21 | 28 | 37 | 33 | 33 | 23 | 23 | 25 | 30 | 36 | 28 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1641 | 1632 | 1658 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 338 | 437 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 965 | 886 | 850 | 951 | 1053 |
| 150 Total Contract Reserves | 26 | 21 | 21 | 21 | 28 | 37 | 33 | 33 | 23 | 23 | 25 | 30 | 36 | 28 |
| 151 Total Capacity Reserves | 3184 | 3169 | 3192 | 3181 | 3197 | 3185 | 3166 | 3158 | 3054 | 2974 | 2894 | 2796 | 3088 | 3193 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.2 | 4.1 | 4.2 | 4.1 | 3.9 | 3.8 | 3.6 | 3.9 | 5.1 | 5.9 | 5.9 | 7.7 | 7.1 | 5.4 |
| 9 Grant County PUD #2 | 53 | 53 | 53 | 53 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 84 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 83 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 42 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 239 | 236 | 247 | 236 | 244 | 241 | 234 | 229 | 223 | 227 | 233 | 224 | 253 | 241 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 1.0 | 1.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 8.5 | 8.5 | 9 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 53 | 53 | 53 | 53 | 53 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 50 | 50 | 53 | 54 | 52 | 50 | 47 | 46 | 47 | 49 | 49 | 35 | 54 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 66 | 66 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 318 | 316 | 324 | 320 | 312 | 316 | 310 | 308 | 307 | 316 | 317 | 299 | 316 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 35 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.7 | 4.7 | 4.7 | 4.8 | 4.9 | 5 | 5.1 | 5.0 | 4.8 | 4.7 | 4.7 | 5.2 | 5.0 | 4.8 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 199 | 213 | 213 | 211 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 145 | 119 | 101 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 0 | 0 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 223 | 170 | 128 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 22 | 22 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 481 | 401 | 512 | 671 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 27 | 21 | 21 | 22 | 29 | 38 | 34 | 34 | 24 | 24 | 26 | 30 | 37 | 29 |
| 145 Total Investor-Owned Entities | 27 | 21 | 21 | 22 | 29 | 38 | 34 | 34 | 24 | 24 | 26 | 30 | 37 | 29 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1641 | 1632 | 1658 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 352 | 437 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 854 | 775 | 621 | 881 | 1053 |
| 150 Total Contract Reserves | 27 | 21 | 21 | 22 | 29 | 38 | 34 | 34 | 24 | 24 | 26 | 30 | 37 | 29 |
| 151 Total Capacity Reserves | 3185 | 3170 | 3193 | 3182 | 3198 | 3186 | 3167 | 3159 | 3054 | 2864 | 2784 | 2583 | 3019 | 3194 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.1 | 4.1 | 4.2 | 4.1 | 3.9 | 3.8 | 3.6 | 3.9 | 5.1 | 5.9 | 5.9 | 7.7 | 7.1 | 5.4 |
| 9 Grant County PUD #2 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 83 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 83 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 42 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 239 | 237 | 247 | 236 | 244 | 241 | 234 | 229 | 223 | 227 | 233 | 224 | 253 | 241 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 1.0 | 1.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 8.5 | 8.5 | 9 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 53 | 53 | 53 | 53 | 53 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 50 | 50 | 53 | 54 | 52 | 50 | 47 | 46 | 47 | 49 | 49 | 35 | 54 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 66 | 66 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 317 | 316 | 324 | 319 | 312 | 316 | 310 | 308 | 307 | 316 | 317 | 299 | 316 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 21 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.7 | 4.7 | 4.7 | 4.8 | 4.9 | 5 | 5.1 | 5.0 | 4.8 | 4.7 | 4.7 | 5.2 | 5.0 | 4.8 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 199 | 213 | 213 | 196 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 17 | 17 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 145 | 119 | 154 | 127 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 223 | 170 | 234 | 181 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 22 | 22 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 74 | 74 | 102 | 102 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 514 | 435 | 671 | 591 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 28 | 22 | 22 | 23 | 30 | 39 | 35 | 35 | 25 | 24 | 27 | 31 | 38 | 30 |
| 145 Total Investor-Owned Entities | 28 | 22 | 22 | 23 | 30 | 39 | 35 | 35 | 25 | 24 | 27 | 31 | 38 | 30 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1641 | 1632 | 1658 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 338 | 437 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 787 | 708 | 1053 | 974 | 1053 |
| 150 Total Contract Reserves | 28 | 22 | 22 | 23 | 30 | 39 | 35 | 35 | 25 | 24 | 27 | 31 | 38 | 30 |
| 151 Total Capacity Reserves | 3186 | 3171 | 3194 | 3183 | 3199 | 3187 | 3168 | 3160 | 3055 | 2798 | 2718 | 3001 | 3112 | 3195 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|-------------|-------------|
| Hydro Reserves | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| 2 Mission Valley | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 3 Total Federal Entities | 1052 | 1047 | 1054 | 1060 | 1070 | 1049 | 1044 | 1045 | 1035 | 998 | 988 | 1023 | 1061 | 1057 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | 27 | 27 | 27 | 27 | 27 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 6.7 | 6.6 | 6.4 | 6.7 | 6.3 | 5.8 | 5.4 | 5.2 | 5.4 | 5.5 | 5.5 | 2.4 | 6.6 | 6.6 |
| 7 Douglas County PUD #1 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 8 Eugene Water & Electric Board | 4.1 | 4.1 | 4.2 | 4.1 | 3.9 | 3.8 | 3.6 | 3.9 | 5.1 | 5.9 | 5.9 | 7.7 | 7.1 | 5.4 |
| 9 Grant County PUD #2 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 Okanogan County PUD #1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 12 Pend Oreille County PUD #1 | 4.2 | 4.2 | 4.2 | 4 | 4.1 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4 | 4.0 | 3.9 | 4.1 |
| 13 Seattle City Light | 86 | 83 | 87 | 82 | 86 | 86 | 85 | 84 | 84 | 83 | 83 | 89 | 95 | 86 |
| 14 Snohomish County PUD #1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 15 Tacoma Public Utilities | 35 | 35 | 42 | 37 | 41 | 38 | 33 | 28 | 24 | 26 | 32 | 19 | 38 | 36 |
| 16 Total Generating Public Entities | 239 | 237 | 247 | 236 | 244 | 241 | 234 | 229 | 223 | 227 | 233 | 224 | 253 | 241 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Bonners Ferry, City of | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Centralia, City of | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 21 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Clearwater Power | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 23 Colville Tribes | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 24 Consumers Power | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Emerald County PUD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Energy Northwest | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 27 Fall River Elec Coop | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 28 Forest Grove, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 29 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Idaho County L & P | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Idaho Falls, City of | 1.0 | 1.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.4 | 1.3 | 1.4 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 32 Kittitas County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 33 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 34 Kootenai Electric Coop | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 35 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 Lost River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 Lower Valley Energy | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 38 Mason County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 McMinnville, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 40 Milton-Freewater, City of | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 41 Northern Lights | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 42 Northern Wasco County PUD | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 43 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Raft River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 Salmon River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 Soda Springs, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 United Electric Coop | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 50 Total Non-Generating Public Entities | 8.5 | 8.5 | 9 | 8.9 | 8.7 | 8.7 | 8.8 | 8.8 | 9.0 | 8.4 | 8.4 | 8.6 | 8.6 | 8.6 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 51 Avista Corp (WWP Division) | 53 | 53 | 53 | 53 | 53 | 53 | 52 | 52 | 53 | 53 | 53 | 52 | 53 | 53 |
| 52 Idaho Power Company | 81 | 80 | 86 | 83 | 75 | 82 | 80 | 81 | 78 | 84 | 85 | 81 | 77 | 79 |
| 53 Pacific Power | 50 | 50 | 53 | 54 | 52 | 50 | 47 | 46 | 47 | 49 | 49 | 35 | 54 | 51 |
| 54 Portland General Electric | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 55 PPL Montana, LLC | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 13 | 13 | 13 |
| 56 Puget Sound Energy | 68 | 68 | 68 | 66 | 68 | 68 | 67 | 66 | 66 | 66 | 66 | 66 | 68 | 68 |
| 57 Utah Power | 5.0 | 5.0 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 5.1 | 5.1 | 5 | 5 | 5.1 |
| 58 Total Investor-Owned Entities | 317 | 316 | 324 | 319 | 312 | 316 | 310 | 308 | 307 | 316 | 317 | 299 | 316 | 316 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 59 Colockum Transmission Company | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 60 Longview Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 Unknown Marketer | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62 Warm Springs Power Enterprise | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 63 Total Other Entities | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| <u>Small Thermal & Misc. Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 64 BPA - Power Business | 3.9 | 3.9 | 3.9 | 4 | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.1 | 4 | 3.9 | 3.8 |
| 65 Mission Valley | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 U.S. Naval Station, Everett (Jim Creek) | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 67 U.S. Naval Submarine Base, Bangor | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 68 Total Federal Entities | 5.4 | 5.4 | 5.4 | 5.5 | 5.6 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.6 | 5.5 | 5.4 | 5.4 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 69 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 Clark County PUD #1 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 0 | 12 | 12 |
| 71 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Eugene Water & Electric Board | 1.4 | 1.4 | 1.4 | 1.4 | 1 | 0 | 1 | 1 | 1 | 1 | 1.4 | 1.4 | 1.4 | 0.4 |
| 74 Grant County PUD #2 | 0.7 | 0.7 | 0.6 | 0.4 | 0 | 0 | 0 | 0 | 0.4 | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 |
| 75 Grays Harbor PUD #1 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 3.7 | 4.8 | 4.8 |
| 76 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 Seattle City Light | 4.2 | 4.1 | 2.7 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 2.4 | 2.4 | 5.9 | 6.6 | 6.7 |
| 79 Snohomish County PUD #1 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 0.3 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80 Springfield Utility Board | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 81 Tacoma Public Utilities | 2.7 | 2.7 | 1.7 | 0.8 | 0 | 0 | 0 | 0 | 0.2 | 1.7 | 1.7 | 2.4 | 2.8 | 3.0 |
| 82 Total Generating Public Entities | 29 | 29 | 27 | 24 | 22 | 21 | 22 | 22 | 20 | 26 | 27 | 18 | 32 | 31 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 83 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 Benton County PUD #1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 85 Clallam County PUD #1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 86 Clatskanie PUD | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0 | 0.6 | 0.6 |
| 87 Consumers Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 88 Emerald County PUD | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 89 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 Fall River Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Franklin County PUD #1 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 1.5 | 2.6 | 2.6 |
| 92 Klickitat County PUD #1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 93 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 Mason County PUD #1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 96 Mason County PUD #3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 97 Oregon Trail Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Tillamook PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 Total Non-Generating Public Entities | 8.1 | 8.1 | 8 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 8.1 | 6.5 | 8.1 | 8.1 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 101 Avista Corp (WWP Division) | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 28 | 28 | 32 | 35 | 35 |
| 102 Idaho Power Company | 30 | 30 | 29 | 28 | 28 | 27 | 27 | 27 | 28 | 29 | 29 | 30 | 31 | 30 |
| 103 Northwestern Energy LLC (MPC) | 4.7 | 4.7 | 4.7 | 4.8 | 4.9 | 5 | 5.1 | 5.0 | 4.8 | 4.7 | 4.7 | 5.2 | 5.0 | 4.8 |
| 104 Pacific Power | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 |
| 105 Portland General Electric | 57 | 57 | 58 | 59 | 60 | 61 | 61 | 60 | 14 | 34 | 34 | 48 | 58 | 57 |

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 106 Puget Sound Energy | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 62 | 87 | 87 |
| 107 Utah Power | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.4 |
| 108 Total Investor-Owned Entities | 243 | 243 | 243 | 243 | 244 | 244 | 244 | 244 | 199 | 213 | 213 | 208 | 245 | 244 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 109 Avista Energy Inc. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 0 | 0 | 14 | 14 | 14 |
| 110 Boise Cascade Corporation | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 111 Chehalis Power Inc. | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 0 | 26 |
| 112 Frederickson Power LP, | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 Georgia-Pacific West, Inc. | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 114 Grays Harbor Energy LLC | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 |
| 115 Hermiston Power Partnership | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 0 | 32 | 32 | 32 | 32 | 32 |
| 116 King County Property Services | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Longview Fibre | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 |
| 118 Mirant Americas Energy Marketing, L.P. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 Pacific Klamath Energy | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 24 | 24 | 24 | 24 | 29 |
| 120 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 SP Newsprint | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 |
| 122 TransAlta Energy Marketing | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 0 | 12 | 12 |
| 123 Wayzata Investment Partners | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 0 | 16 | 16 |
| 124 Weyerhaeuser Company | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 |
| 125 Total Other Entities | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | 146 | 159 | 159 | 112 | 147 | 178 |
| <u>Large Thermal Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 126 BPA - Power Business | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| 127 Total Federal Entities | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 0 | 0 | 172 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 128 Turlock Irrigation District | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| 129 Total Generating Public Entities | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 0 | 0 | 8.8 | 8.8 | 8.8 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 130 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 131 Avista Corp (WWP Division) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 132 Idaho Power Company | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 154 | 145 | 119 | 154 | 154 | 154 |
| 133 Northwestern Energy LLC (MPC) | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 134 Pacific Power | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 181 | 234 | 234 | 234 |
| 135 Portland General Electric | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 44 | 44 | 102 | 102 | 102 |
| 136 Puget Sound Energy | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 79 | 79 | 102 |
| 137 San Diego Gas & Electric | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 13 | 13 | 13 |
| 138 Total Investor-Owned Entities | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 671 | 592 | 512 | 648 | 648 | 671 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 139 TransAlta Energy Marketing | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| 140 Total Other Entities | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 100 | 100 | 201 | 201 | 201 |
| <u>Contract Reserves</u> | | | | | | | | | | | | | | |
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 141 Total Federal Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 142 Total Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 143 Total Non-Generating Public Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 144 Northwestern Energy LLC (MPC) | 28 | 23 | 23 | 24 | 30 | 40 | 36 | 36 | 25 | 25 | 27 | 32 | 39 | 31 |
| 145 Total Investor-Owned Entities | 28 | 23 | 23 | 24 | 30 | 40 | 36 | 36 | 25 | 25 | 27 | 32 | 39 | 31 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 146 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Total Capacity Reserves-</i> | | | | | | | | | | | | | | |
| 147 Total Hydro Reserves | 1641 | 1632 | 1658 | 1648 | 1659 | 1639 | 1622 | 1614 | 1599 | 1574 | 1571 | 1579 | 1663 | 1646 |
| 148 Total Small Thermal & Misc Reserves | 463 | 463 | 461 | 458 | 457 | 456 | 457 | 457 | 378 | 412 | 413 | 349 | 437 | 466 |
| 149 Total Large Thermal Reserves | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 1053 | 865 | 785 | 858 | 858 | 1053 |
| 150 Total Contract Reserves | 28 | 23 | 23 | 24 | 30 | 40 | 36 | 36 | 25 | 25 | 27 | 32 | 39 | 31 |
| 151 Total Capacity Reserves | 3186 | 3172 | 3195 | 3183 | 3200 | 3188 | 3169 | 3161 | 3056 | 2876 | 2796 | 2818 | 2997 | 3196 |

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Table A-18
Wells & Chelan Allocation
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 1 Wells | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| 2 Wells Before Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Wells-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 4 COLV Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 5 DOPD Share | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 | 241 |
| 6 OKPD Share | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 7 PGE Share | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 | 163 |
| 8 PPL Share | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 9 PSE Share | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 10 Wells After Enc | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 11 Chelan | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| 12 Chelan Before Enc | 54 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 12 | 50 | 50 | 50 | 52 | 54 |
| <i>-Chelan-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |
| 14 Chelan After Enc | 58 | 58 | 58 | 57 | 57 | 56 | 55 | 54 | 16 | 54 | 54 | 54 | 56 | 58 |

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Table A-19
Rocky Reach & Rock Island Allocation
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--------------------------------|------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 1 Rocky Reach | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| 2 Rocky Reach Before Enc | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 | 1266 |
| <i>-Rocky Reach-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 4 CHPD Share | 197 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | 197 | 196 |
| 5 CLKM Share | 299 | 299 | 298 | 298 | 299 | 299 | 298 | 298 | 298 | 298 | 298 | 298 | 299 | 299 |
| 6 DOPD Share | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 7 PGE Share | 158 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 8 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 9 PSE Share | 506 | 506 | 504 | 505 | 506 | 505 | 504 | 504 | 504 | 504 | 504 | 504 | 506 | 506 |
| 10 Rocky Reach After Enc | 1302 | 1300 | 1296 | 1298 | 1300 | 1299 | 1297 | 1297 | 1297 | 1297 | 1297 | 1297 | 1302 | 1300 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 11 Rock Island PH#1 | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| 12 Rock Island PH#1 Before Enc | 150 | 156 | 158 | 158 | 156 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 148 | 154 |
| <i>-Rock Island PH#1-</i> | | | | | | | | | | | | | | |
| 13 CHPD Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 14 PSE Share | 83 | 86 | 88 | 88 | 86 | 87 | 88 | 88 | 88 | 88 | 88 | 88 | 81 | 85 |
| 15 Rock Island PH#1 After Enc | 165 | 173 | 176 | 176 | 172 | 174 | 176 | 176 | 176 | 176 | 176 | 176 | 163 | 170 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 16 Rock Island PH#2 | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| 17 Rock Island PH#2 Before Enc | 363 | 357 | 355 | 355 | 357 | 356 | 355 | 355 | 355 | 355 | 355 | 355 | 365 | 359 |
| <i>-Rock Island PH#2-</i> | | | | | | | | | | | | | | |
| 18 CHPD Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 19 PSE Share | 200 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 201 | 198 |
| 20 Rock Island PH#2 After Enc | 400 | 394 | 394 | 393 | 395 | 394 | 394 | 394 | 394 | 394 | 394 | 394 | 402 | 397 |

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Table A-20
Wanapum & Priest Rapids Allocation
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 4 COPD Share | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 5 CWPC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 EWEB Share | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 7 FGRV Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 8 FREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 GCPD Share | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 |
| 10 ICLP Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 KITT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 KOOT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 LVE Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 MCMN Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 16 MTRF Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 17 NLEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 PGE Share | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 19 PPL Share | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 20 PSE Share | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 21 RREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 SCL Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SLEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 TPU Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UNEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 UnknMKT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 31 COPD Share | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 34 FGRV Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 43 MTRF Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 46 PPL Share | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 47 PSE Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 4 COPD Share | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 5 CWPC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 EWEB Share | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 7 FGRV Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 8 FREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 GCPD Share | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 | 332 |
| 10 ICLP Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 KITT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 KOOT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 LREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 LVE Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 MCMN Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 16 MTRF Share | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 |
| 17 NLEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 PGE Share | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 19 PPL Share | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 20 PSE Share | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 21 RREC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 SCL Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 SLEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 TPU Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 UNEC Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 UnknMKT Share | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 31 COPD Share | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 |
| 34 FGRV Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 | 556 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 43 MTRF Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 46 PPL Share | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 47 PSE Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 75 | 75 | 75 | 75 | 48 | 48 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 4 COPD Share | 25 | 25 | 25 | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 21 | 21 | 21 | 21 | 13 | 13 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 | 9.1 |
| 7 FGRV Share | 6.4 | 6.4 | 6.4 | 6.4 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 332 | 332 | 332 | 332 | 374 | 374 | 522 | 522 | 522 | 522 | 522 | 522 | 522 | 522 |
| 10 ICLP Share | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 0 | 0 | 0 | 0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 0 | 0 | 0 | 0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 6.4 | 6.4 | 6.4 | 6.4 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTRF Share | 6.4 | 6.4 | 6.4 | 6.4 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 170 | 170 | 170 | 170 | 109 | 109 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 19 PPL Share | 170 | 170 | 170 | 170 | 109 | 109 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 20 PSE Share | 98 | 98 | 98 | 98 | 63 | 63 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 21 RREC Share | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 0 | 0 | 0 | 0 | 60 | 60 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 23 SLEC Share | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 0 | 0 | 0 | 0 | 60 | 60 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 25 UNEC Share | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 0 | 0 | 0 | 0 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 29 | 29 | 29 | 29 | 47 | 47 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 31 COPD Share | 14 | 14 | 14 | 14 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.2 | 8.2 | 8.2 | 8.2 | 13 | 13 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 | 9.0 |
| 34 FGRV Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 556 | 556 | 556 | 556 | 368 | 368 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 2.5 | 2.5 | 2.5 | 2.5 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTRF Share | 3.1 | 3.1 | 3.1 | 3.1 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 67 | 67 | 67 | 67 | 107 | 107 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 46 PPL Share | 67 | 67 | 67 | 67 | 107 | 107 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 47 PSE Share | 39 | 39 | 39 | 39 | 62 | 62 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 4.8 | 4.8 | 4.8 | 4.8 | 59 | 59 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 36 | 36 | 36 | 36 | 59 | 59 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 54 | 54 | 54 | 54 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

**Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 33 | 33 | 33 | 33 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 9.1 | 9.1 | 9.1 | 9.1 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 522 | 522 | 522 | 522 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 19 PPL Share | 74 | 74 | 74 | 74 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 20 PSE Share | 43 | 43 | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 9.0 | 9.0 | 9.0 | 9.0 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 | 8.9 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 515 | 515 | 515 | 515 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 | 518 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 46 PPL Share | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 47 PSE Share | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

**Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 9 | 9 | 9 | 9 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 526 | 526 | 526 | 526 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 19 PPL Share | 73 | 73 | 73 | 73 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 20 PSE Share | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.9 | 8.9 | 8.9 | 8.9 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 518 | 518 | 518 | 518 | 522 | 522 | 522 | 522 | 522 | 522 | 522 | 522 | 522 | 522 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 72 | 72 | 72 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 46 PPL Share | 72 | 72 | 72 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 47 PSE Share | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 32 | 32 | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 8.8 | 8.8 | 8.8 | 8.8 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 530 | 530 | 530 | 530 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 72 | 72 | 72 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 19 PPL Share | 72 | 72 | 72 | 72 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 20 PSE Share | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.7 | 8.7 | 8.7 | 8.7 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 522 | 522 | 522 | 522 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 | 526 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 46 PPL Share | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 47 PSE Share | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 | 896 |

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 8.7 | 8.7 | 8.7 | 8.7 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 535 | 535 | 535 | 535 | 539 | 539 | 539 | 539 | 539 | 539 | 539 | 539 | 539 | 539 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 19 PPL Share | 71 | 71 | 71 | 71 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 20 PSE Share | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 39 | 39 | 39 | 39 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.6 | 8.6 | 8.6 | 8.6 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 526 | 526 | 526 | 526 | 531 | 531 | 531 | 531 | 531 | 531 | 531 | 531 | 531 | 531 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 70 | 70 | 70 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 46 PPL Share | 70 | 70 | 70 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 47 PSE Share | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 896 | 896 | 896 | 896 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 |

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 31 | 31 | 31 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 8.6 | 8.6 | 8.6 | 8.6 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 539 | 539 | 539 | 539 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 70 | 70 | 70 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 19 PPL Share | 70 | 70 | 70 | 70 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 20 PSE Share | 41 | 41 | 41 | 41 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.5 | 8.5 | 8.5 | 8.5 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 531 | 531 | 531 | 531 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 69 | 69 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 PPL Share | 69 | 69 | 69 | 69 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 PSE Share | 40 | 40 | 40 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 38 | 38 | 38 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 |

**Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 19 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 20 PSE Share | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTR Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 PPL Share | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 PSE Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 |

**Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[43] 2007 White Book (Final)**

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 1 Wanapum | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| 2 Wanapum Before Enc | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 | 986 |
| <i>-Wanapum-</i> | | | | | | | | | | | | | | |
| 3 AVWP Share | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 4 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 5 CWPC Share | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 EWEB Share | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 7 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 8 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 9 GCPD Share | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 | 543 |
| 10 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 11 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 13 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 14 LVE Share | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 15 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 16 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 17 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 18 PGE Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 19 PPL Share | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 20 PSE Share | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 21 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 22 SCL Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 23 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 24 TPU Share | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 25 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 26 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 27 Wanapum After Enc | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 | 910 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 28 Priest Rapids | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| 29 Priest Rapids Before Enc | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 | 912 |
| <i>-Priest Rapids-</i> | | | | | | | | | | | | | | |
| 30 AVWP Share | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 31 COPD Share | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 32 CWPC Share | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 33 EWEB Share | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 |
| 34 FGRV Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 35 FREC Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 36 GCPD Share | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 | 535 |
| 37 ICLP Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 38 KITT Share | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 39 KOOT Share | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 40 LREC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 41 LVE Share | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |
| 42 MCMN Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 43 MTRF Share | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 44 NLEC Share | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 45 PGE Share | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 46 PPL Share | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 47 PSE Share | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 48 RREC Share | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 49 SCL Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 50 SLEC Share | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 51 TPU Share | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 52 UNEC Share | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 53 UnknMKT Share | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 54 Priest Rapids After Enc | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 | 897 |

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Table A-21
Swift #1 and Swift #2 Allocation
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|----------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 1 Swift 1 | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| 2 Swift 1 Before Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 1-</i> | | | | | | | | | | | | | | |
| 3 COPD Share | 70 | 69 | 63 | 69 | 60 | 47 | 40 | 36 | 39 | 41 | 42 | 0.1 | 67 | 69 |
| 4 PPL Share | 198 | 197 | 180 | 196 | 170 | 134 | 113 | 104 | 112 | 117 | 119 | 0.2 | 192 | 197 |
| 5 Swift 1 After Enc | 268 | 267 | 243 | 264 | 229 | 180 | 153 | 140 | 152 | 158 | 161 | 0.3 | 260 | 266 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 6 Swift 2 | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| 7 Swift 2 Before Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |
| <i>-Swift 2-</i> | | | | | | | | | | | | | | |
| 8 COPD Share | 15 | 15 | 16 | 16 | 18 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 17 | 15 |
| 9 PPL Share | 43 | 43 | 44 | 46 | 51 | 56 | 56 | 56 | 56 | 56 | 56 | 0.1 | 48 | 43 |
| 10 Swift 2 After Enc | 58 | 58 | 60 | 62 | 69 | 76 | 76 | 76 | 76 | 76 | 76 | 0.1 | 65 | 58 |

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Table A-22
BPA Power Sale Contracts
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 217 |
| 2 Total Federal Entities | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 217 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2370 | 2370 | 2515 | 2911 | 3429 | 3770 | 3811 | 3795 | 3500 | 2921 | 2921 | 2622 | 2316 | 2409 |
| 8 Total Generating Public Entities | 2370 | 2370 | 2515 | 2911 | 3429 | 3770 | 3811 | 3795 | 3500 | 2921 | 2921 | 2622 | 2316 | 2409 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1610 | 1327 | 1228 | 1319 | 1500 | 1505 | 1324 | 1337 | 1305 | 1149 | 973 | 1147 | 1766 | 1580 |
| 10 Total Generating Public Entities (Slice) | 1610 | 1327 | 1228 | 1319 | 1500 | 1505 | 1324 | 1337 | 1305 | 1149 | 973 | 1147 | 1766 | 1580 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 3897 | 3897 | 3674 | 4274 | 4557 | 4731 | 5016 | 4820 | 4405 | 4108 | 4108 | 3922 | 3912 | 4101 |
| 12 Total Non-Generating Public Entities | 3897 | 3897 | 3674 | 4274 | 4557 | 4731 | 5016 | 4820 | 4405 | 4108 | 4108 | 3922 | 3912 | 4101 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 967 | 797 | 737 | 792 | 901 | 904 | 795 | 803 | 783 | 690 | 584 | 689 | 1060 | 949 |
| 14 Total Non-Gen. Public Entities (Slice) | 967 | 797 | 737 | 792 | 901 | 904 | 795 | 803 | 783 | 690 | 584 | 689 | 1060 | 949 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 217 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 3980 | 3697 | 3742 | 4230 | 4929 | 5274 | 5135 | 5132 | 4805 | 4069 | 3893 | 3769 | 4082 | 3989 |
| 23 Non-Generating Public Entities | 4864 | 4694 | 4411 | 5066 | 5458 | 5635 | 5811 | 5623 | 5188 | 4798 | 4692 | 4611 | 4973 | 5050 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 9311 | 8865 | 8548 | 9564 | 10629 | 11137 | 11202 | 10997 | 10249 | 9306 | 9060 | 8871 | 9539 | 9525 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| 2 Total Federal Entities | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2450 | 2450 | 2644 | 2929 | 3470 | 3776 | 3841 | 3825 | 3525 | 2938 | 2938 | 2651 | 2309 | 2417 |
| 8 Total Generating Public Entities | 2450 | 2450 | 2644 | 2929 | 3470 | 3776 | 3841 | 3825 | 3525 | 2938 | 2938 | 2651 | 2309 | 2417 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1624 | 1347 | 1227 | 1322 | 1503 | 1507 | 1323 | 1341 | 1306 | 1162 | 990 | 1044 | 1673 | 1638 |
| 10 Total Generating Public Entities (Slice) | 1624 | 1347 | 1227 | 1322 | 1503 | 1507 | 1323 | 1341 | 1306 | 1162 | 990 | 1044 | 1673 | 1638 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4008 | 4008 | 3778 | 4390 | 4679 | 4861 | 5146 | 4952 | 4519 | 4212 | 4212 | 4026 | 4017 | 4211 |
| 12 Total Non-Generating Public Entities | 4008 | 4008 | 3778 | 4390 | 4679 | 4861 | 5146 | 4952 | 4519 | 4212 | 4212 | 4026 | 4017 | 4211 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 975 | 809 | 737 | 794 | 902 | 905 | 794 | 805 | 784 | 698 | 594 | 627 | 1004 | 983 |
| 14 Total Non-Gen. Public Entities (Slice) | 975 | 809 | 737 | 794 | 902 | 905 | 794 | 805 | 784 | 698 | 594 | 627 | 1004 | 983 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4074 | 3797 | 3872 | 4251 | 4973 | 5283 | 5164 | 5166 | 4831 | 4100 | 3928 | 3695 | 3982 | 4054 |
| 23 Non-Generating Public Entities | 4983 | 4817 | 4515 | 5184 | 5581 | 5766 | 5940 | 5757 | 5303 | 4910 | 4807 | 4652 | 5021 | 5194 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 9543 | 9107 | 8792 | 9727 | 10822 | 11298 | 11389 | 11190 | 10414 | 9469 | 9230 | 8855 | 9511 | 9757 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 302 | 302 | 218 | 259 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| 2 Total Federal Entities | 302 | 302 | 218 | 259 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2458 | 2458 | 2654 | 2960 | 3506 | 3817 | 3882 | 3866 | 3560 | 2969 | 2969 | 2677 | 2330 | 2437 |
| 8 Total Generating Public Entities | 2458 | 2458 | 2654 | 2960 | 3506 | 3817 | 3882 | 3866 | 3560 | 2969 | 2969 | 2677 | 2330 | 2437 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1646 | 1389 | 1218 | 1317 | 1498 | 1502 | 1316 | 1335 | 1301 | 1156 | 984 | 1167 | 1796 | 1633 |
| 10 Total Generating Public Entities (Slice) | 1646 | 1389 | 1218 | 1317 | 1498 | 1502 | 1316 | 1335 | 1301 | 1156 | 984 | 1167 | 1796 | 1633 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4119 | 4119 | 3881 | 4477 | 4771 | 4957 | 5246 | 5048 | 4608 | 4294 | 4294 | 4105 | 4093 | 4292 |
| 12 Total Non-Generating Public Entities | 4119 | 4119 | 3881 | 4477 | 4771 | 4957 | 5246 | 5048 | 4608 | 4294 | 4294 | 4105 | 4093 | 4292 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 988 | 834 | 731 | 791 | 899 | 902 | 790 | 802 | 781 | 694 | 591 | 701 | 1079 | 980 |
| 14 Total Non-Gen. Public Entities (Slice) | 988 | 834 | 731 | 791 | 899 | 902 | 790 | 802 | 781 | 694 | 591 | 701 | 1079 | 980 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 302 | 302 | 218 | 259 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4104 | 3847 | 3872 | 4277 | 5003 | 5318 | 5198 | 5202 | 4861 | 4125 | 3952 | 3845 | 4126 | 4070 |
| 23 Non-Generating Public Entities | 5107 | 4953 | 4612 | 5268 | 5670 | 5858 | 6036 | 5850 | 5389 | 4988 | 4885 | 4805 | 5172 | 5272 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 9733 | 9329 | 8907 | 9839 | 10944 | 11428 | 11521 | 11321 | 10531 | 9573 | 9334 | 9159 | 9808 | 9852 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 243 |
| 2 Total Federal Entities | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 243 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2479 | 2479 | 2676 | 2996 | 3515 | 3848 | 3914 | 3899 | 3586 | 2991 | 2991 | 2695 | 2341 | 2463 |
| 8 Total Generating Public Entities | 2479 | 2479 | 2676 | 2996 | 3515 | 3848 | 3914 | 3899 | 3586 | 2991 | 2991 | 2695 | 2341 | 2463 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1656 | 1399 | 1227 | 1321 | 1503 | 1506 | 1317 | 1339 | 1305 | 1158 | 986 | 1042 | 1671 | 1637 |
| 10 Total Generating Public Entities (Slice) | 1656 | 1399 | 1227 | 1321 | 1503 | 1506 | 1317 | 1339 | 1305 | 1158 | 986 | 1042 | 1671 | 1637 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4200 | 4200 | 3958 | 4546 | 4844 | 5032 | 5326 | 5125 | 4678 | 4359 | 4359 | 4166 | 4152 | 4354 |
| 12 Total Non-Generating Public Entities | 4200 | 4200 | 3958 | 4546 | 4844 | 5032 | 5326 | 5125 | 4678 | 4359 | 4359 | 4166 | 4152 | 4354 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 994 | 840 | 737 | 793 | 902 | 904 | 791 | 804 | 784 | 695 | 592 | 626 | 1003 | 983 |
| 14 Total Non-Gen. Public Entities (Slice) | 994 | 840 | 737 | 793 | 902 | 904 | 791 | 804 | 784 | 695 | 592 | 626 | 1003 | 983 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 243 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4134 | 3878 | 3903 | 4318 | 5017 | 5355 | 5232 | 5238 | 4891 | 4149 | 3977 | 3737 | 4013 | 4100 |
| 23 Non-Generating Public Entities | 5194 | 5040 | 4695 | 5339 | 5746 | 5937 | 6117 | 5929 | 5462 | 5055 | 4951 | 4791 | 5156 | 5337 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 9852 | 9449 | 9023 | 9953 | 11036 | 11545 | 11637 | 11438 | 10636 | 9666 | 9427 | 9039 | 9680 | 9949 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|--------------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 306 | 306 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| 2 Total Federal Entities | 306 | 306 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2476 | 2476 | 2689 | 3042 | 3600 | 3893 | 3971 | 3992 | 3633 | 3042 | 3042 | 2981 | 2409 | 2521 |
| 8 Total Generating Public Entities | 2476 | 2476 | 2689 | 3042 | 3600 | 3893 | 3971 | 3992 | 3633 | 3042 | 3042 | 2981 | 2409 | 2521 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1659 | 1404 | 1230 | 1322 | 1503 | 1507 | 1315 | 1338 | 1305 | 1157 | 986 | 1171 | 1800 | 1637 |
| 10 Total Generating Public Entities (Slice) | 1659 | 1404 | 1230 | 1322 | 1503 | 1507 | 1315 | 1338 | 1305 | 1157 | 986 | 1171 | 1800 | 1637 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4256 | 4256 | 4013 | 4709 | 5016 | 5206 | 5518 | 5310 | 4859 | 4530 | 4530 | 4331 | 4312 | 4513 |
| 12 Total Non-Generating Public Entities | 4256 | 4256 | 4013 | 4709 | 5016 | 5206 | 5518 | 5310 | 4859 | 4530 | 4530 | 4331 | 4312 | 4513 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 996 | 843 | 739 | 794 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 703 | 1081 | 983 |
| 14 Total Non-Gen. Public Entities (Slice) | 996 | 843 | 739 | 794 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 703 | 1081 | 983 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 306 | 306 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4135 | 3880 | 3919 | 4364 | 5103 | 5399 | 5286 | 5330 | 4938 | 4199 | 4028 | 4151 | 4209 | 4158 |
| 23 Non-Generating Public Entities | 5252 | 5099 | 4752 | 5502 | 5919 | 6111 | 6308 | 6113 | 5642 | 5225 | 5122 | 5034 | 5393 | 5496 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 9913 | 9512 | 9097 | 10165 | 11296 | 11766 | 11885 | 11717 | 10866 | 9888 | 9650 | 9698 | 10115 | 10168 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|-------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| 2 Total Federal Entities | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2579 | 2579 | 2747 | 3069 | 3631 | 3929 | 4012 | 4023 | 3665 | 3069 | 3069 | 3003 | 2425 | 2537 |
| 8 Total Generating Public Entities | 2579 | 2579 | 2747 | 3069 | 3631 | 3929 | 4012 | 4023 | 3665 | 3069 | 3069 | 3003 | 2425 | 2537 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1659 | 1406 | 1230 | 1324 | 1506 | 1509 | 1314 | 1340 | 1307 | 1159 | 988 | 1044 | 1674 | 1640 |
| 10 Total Generating Public Entities (Slice) | 1659 | 1406 | 1230 | 1324 | 1506 | 1509 | 1314 | 1340 | 1307 | 1159 | 988 | 1044 | 1674 | 1640 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4421 | 4421 | 4178 | 4749 | 5060 | 5250 | 5596 | 5390 | 4927 | 4594 | 4594 | 4392 | 4370 | 4574 |
| 12 Total Non-Generating Public Entities | 4421 | 4421 | 4178 | 4749 | 5060 | 5250 | 5596 | 5390 | 4927 | 4594 | 4594 | 4392 | 4370 | 4574 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 996 | 844 | 738 | 795 | 904 | 906 | 789 | 804 | 785 | 696 | 593 | 627 | 1005 | 985 |
| 14 Total Non-Gen. Public Entities (Slice) | 996 | 844 | 738 | 795 | 904 | 906 | 789 | 804 | 785 | 696 | 593 | 627 | 1005 | 985 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4238 | 3984 | 3976 | 4393 | 5137 | 5438 | 5326 | 5362 | 4972 | 4228 | 4057 | 4047 | 4099 | 4177 |
| 23 Non-Generating Public Entities | 5418 | 5265 | 4916 | 5544 | 5964 | 6156 | 6385 | 6195 | 5712 | 5289 | 5187 | 5019 | 5375 | 5559 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 10184 | 9784 | 9321 | 10236 | 11375 | 11850 | 12004 | 11833 | 10971 | 9983 | 9745 | 9580 | 9988 | 10251 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| 2 Total Federal Entities | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2595 | 2595 | 2765 | 3121 | 3691 | 3995 | 4075 | 4086 | 3722 | 3120 | 3120 | 3048 | 2465 | 2576 |
| 8 Total Generating Public Entities | 2595 | 2595 | 2765 | 3121 | 3691 | 3995 | 4075 | 4086 | 3722 | 3120 | 3120 | 3048 | 2465 | 2576 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1324 | 1505 | 1508 | 1314 | 1339 | 1306 | 1159 | 988 | 1173 | 1802 | 1640 |
| 10 Total Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1324 | 1505 | 1508 | 1314 | 1339 | 1306 | 1159 | 988 | 1173 | 1802 | 1640 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4481 | 4481 | 4236 | 4819 | 5135 | 5327 | 5678 | 5469 | 5000 | 4660 | 4660 | 4454 | 4431 | 4638 |
| 12 Total Non-Generating Public Entities | 4481 | 4481 | 4236 | 4819 | 5135 | 5327 | 5678 | 5469 | 5000 | 4660 | 4660 | 4454 | 4431 | 4638 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 704 | 1082 | 985 |
| 14 Total Non-Gen. Public Entities (Slice) | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 704 | 1082 | 985 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4257 | 4004 | 3997 | 4445 | 5196 | 5503 | 5389 | 5426 | 5028 | 4278 | 4107 | 4221 | 4267 | 4217 |
| 23 Non-Generating Public Entities | 5479 | 5327 | 4975 | 5614 | 6039 | 6233 | 6467 | 6273 | 5785 | 5356 | 5253 | 5158 | 5513 | 5623 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 10265 | 9867 | 9402 | 10359 | 11511 | 11993 | 12150 | 11976 | 11102 | 10101 | 9864 | 9895 | 10297 | 10356 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 310 | 310 | 226 | 266 | 278 | 259 | 296 | 279 | 263 | 243 | 243 | 230 | 257 | 249 |
| 2 Total Federal Entities | 310 | 310 | 226 | 266 | 278 | 259 | 296 | 279 | 263 | 243 | 243 | 230 | 257 | 249 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2634 | 2634 | 2805 | 3174 | 3750 | 4060 | 4141 | 4153 | 3779 | 3171 | 3171 | 3094 | 2505 | 2616 |
| 8 Total Generating Public Entities | 2634 | 2634 | 2805 | 3174 | 3750 | 4060 | 4141 | 4153 | 3779 | 3171 | 3171 | 3094 | 2505 | 2616 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1314 | 1339 | 1306 | 1158 | 987 | 1044 | 1673 | 1640 |
| 10 Total Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1314 | 1339 | 1306 | 1158 | 987 | 1044 | 1673 | 1640 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4542 | 4542 | 4296 | 4889 | 5211 | 5404 | 5760 | 5549 | 5074 | 4727 | 4727 | 4517 | 4492 | 4702 |
| 12 Total Non-Generating Public Entities | 4542 | 4542 | 4296 | 4889 | 5211 | 5404 | 5760 | 5549 | 5074 | 4727 | 4727 | 4517 | 4492 | 4702 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 627 | 1005 | 985 |
| 14 Total Non-Gen. Public Entities (Slice) | 998 | 846 | 740 | 795 | 904 | 906 | 789 | 804 | 784 | 696 | 593 | 627 | 1005 | 985 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 310 | 310 | 226 | 266 | 278 | 259 | 296 | 279 | 263 | 243 | 243 | 230 | 257 | 249 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4297 | 4044 | 4037 | 4497 | 5255 | 5568 | 5455 | 5492 | 5085 | 4330 | 4159 | 4138 | 4178 | 4256 |
| 23 Non-Generating Public Entities | 5540 | 5389 | 5035 | 5684 | 6114 | 6310 | 6548 | 6353 | 5858 | 5423 | 5320 | 5144 | 5496 | 5686 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 10367 | 9970 | 9504 | 10484 | 11648 | 12138 | 12300 | 12123 | 11234 | 10221 | 9984 | 9799 | 10192 | 10461 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|--------------|--------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| 2 Total Federal Entities | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2675 | 2675 | 2848 | 3230 | 3812 | 4129 | 4212 | 4231 | 3840 | 3227 | 3227 | 3143 | 2548 | 2659 |
| 8 Total Generating Public Entities | 2675 | 2675 | 2848 | 3230 | 3812 | 4129 | 4212 | 4231 | 3840 | 3227 | 3227 | 3143 | 2548 | 2659 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1313 | 1339 | 1306 | 1158 | 987 | 1172 | 1801 | 1639 |
| 10 Total Generating Public Entities (Slice) | 1662 | 1409 | 1232 | 1323 | 1505 | 1508 | 1313 | 1339 | 1306 | 1158 | 987 | 1172 | 1801 | 1639 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4604 | 4604 | 4356 | 4963 | 5289 | 5485 | 5846 | 5618 | 5150 | 4797 | 4797 | 4582 | 4556 | 4769 |
| 12 Total Non-Generating Public Entities | 4604 | 4604 | 4356 | 4963 | 5289 | 5485 | 5846 | 5618 | 5150 | 4797 | 4797 | 4582 | 4556 | 4769 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 988 | 846 | 740 | 795 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 704 | 1082 | 984 |
| 14 Total Non-Gen. Public Entities (Slice) | 988 | 846 | 740 | 795 | 903 | 905 | 789 | 804 | 784 | 695 | 592 | 704 | 1082 | 984 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4337 | 4084 | 4079 | 4554 | 5317 | 5637 | 5525 | 5570 | 5146 | 4385 | 4213 | 4315 | 4350 | 4298 |
| 23 Non-Generating Public Entities | 5602 | 5450 | 5096 | 5758 | 6193 | 6391 | 6634 | 6422 | 5934 | 5492 | 5389 | 5286 | 5637 | 5753 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 10471 | 10073 | 9608 | 10615 | 11790 | 12289 | 12458 | 12273 | 11372 | 10347 | 10109 | 10121 | 10506 | 10571 |

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Federal Entities-</i> | | | | | | | | | | | | | | |
| 1 Federal Entities | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| 2 Total Federal Entities | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| <i>-U.S. Bureau of Reclamation-</i> | | | | | | | | | | | | | | |
| 3 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 4 Total U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>-Direct Service Industry-</i> | | | | | | | | | | | | | | |
| 5 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Total Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 2719 | 2719 | 2893 | 3284 | 3871 | 4195 | 4279 | 4289 | 3897 | 3279 | 3279 | 3189 | 2589 | 2699 |
| 8 Total Generating Public Entities | 2719 | 2719 | 2893 | 3284 | 3871 | 4195 | 4279 | 4289 | 3897 | 3279 | 3279 | 3189 | 2589 | 2699 |
| <i>-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 9 Generating Public Entities (Slice) | 1661 | 1408 | 1231 | 1322 | 1504 | 1507 | 1313 | 1338 | 1305 | 1157 | 986 | 1043 | 1672 | 1639 |
| 10 Total Generating Public Entities (Slice) | 1661 | 1408 | 1231 | 1322 | 1504 | 1507 | 1313 | 1338 | 1305 | 1157 | 986 | 1043 | 1672 | 1639 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 11 Non-Generating Public Entities | 4669 | 4669 | 4419 | 5029 | 5360 | 5557 | 5901 | 5685 | 5199 | 4842 | 4842 | 4624 | 4597 | 4813 |
| 12 Total Non-Generating Public Entities | 4669 | 4669 | 4419 | 5029 | 5360 | 5557 | 5901 | 5685 | 5199 | 4842 | 4842 | 4624 | 4597 | 4813 |
| <i>-Non-Generating Public Entities (Slice)-</i> | | | | | | | | | | | | | | |
| 13 Non-Generating Public Entities (Slice) | 997 | 846 | 739 | 794 | 903 | 905 | 788 | 803 | 784 | 695 | 592 | 626 | 1004 | 984 |
| 14 Total Non-Gen. Public Entities (Slice) | 997 | 846 | 739 | 794 | 903 | 905 | 788 | 803 | 784 | 695 | 592 | 626 | 1004 | 984 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 15 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 Total Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Other Entities-</i> | | | | | | | | | | | | | | |
| 17 Other PNW Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Total Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>-Power Sales Contracts-</i> | | | | | | | | | | | | | | |
| 19 Federal Entities | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| 20 U.S. Bureau of Reclamation | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| 21 Direct Service Industry | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Generating Public Entities | 4380 | 4127 | 4124 | 4606 | 5375 | 5702 | 5591 | 5627 | 5202 | 4436 | 4265 | 4232 | 4261 | 4338 |
| 23 Non-Generating Public Entities | 5666 | 5514 | 5158 | 5823 | 6263 | 6462 | 6689 | 6489 | 5983 | 5537 | 5434 | 5251 | 5601 | 5797 |
| 24 Investor-Owned Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Other Entities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Total Power Sales Contracts | 10579 | 10182 | 9716 | 10735 | 11920 | 12427 | 12581 | 12399 | 11480 | 10445 | 10208 | 10003 | 10383 | 10657 |

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Table A-23
Non-Utility Generating Resources
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 164 | 164 | 147 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 29 | 29 | 30 | 32 | 27 | 29 | 29 | 27 | 24 | 22 | 22 | 38 | 35 | 32 |
| 35 Pacific Power | 55 | 55 | 55 | 54 | 55 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 588 | 588 | 588 | 588 | 588 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1115 | 1115 | 1099 | 1081 | 1069 | 1069 | 1064 | 1077 | 1090 | 995 | 996 | 935 | 1173 | 1160 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1115 | 1115 | 1099 | 1081 | 1069 | 1069 | 1064 | 1077 | 1090 | 995 | 996 | 935 | 1173 | 1160 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1379 | 1377 | 1294 | 1238 | 1184 | 1176 | 1171 | 1185 | 1162 | 1195 | 1204 | 1246 | 1488 | 1476 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 30 | 30 | 30 | 32 | 27 | 29 | 29 | 27 | 25 | 23 | 23 | 39 | 35 | 32 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1069 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1173 | 1160 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1069 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1173 | 1160 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1407 | 1405 | 1322 | 1253 | 1199 | 1176 | 1171 | 1185 | 1162 | 1195 | 1205 | 1247 | 1488 | 1476 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 34 | 34 | 17 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 34 | 34 | 18 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 30 | 30 | 30 | 32 | 27 | 29 | 30 | 28 | 25 | 23 | 23 | 39 | 44 | 32 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1070 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1182 | 1160 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 34 | 34 | 18 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1070 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1182 | 1160 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1407 | 1405 | 1322 | 1274 | 1211 | 1198 | 1192 | 1206 | 1183 | 1216 | 1226 | 1251 | 1517 | 1500 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 30 | 30 | 31 | 33 | 35 | 37 | 38 | 36 | 33 | 31 | 31 | 39 | 36 | 32 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1143 | 1143 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1098 | 1003 | 1005 | 936 | 1174 | 1160 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1143 | 1143 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1098 | 1003 | 1005 | 936 | 1174 | 1160 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1426 | 1424 | 1358 | 1274 | 1219 | 1206 | 1200 | 1214 | 1191 | 1224 | 1234 | 1251 | 1509 | 1500 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 30 | 30 | 31 | 33 | 35 | 37 | 38 | 36 | 33 | 31 | 31 | 40 | 36 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1099 | 1004 | 1005 | 936 | 1174 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1099 | 1004 | 1005 | 936 | 1174 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1426 | 1425 | 1358 | 1274 | 1220 | 1206 | 1200 | 1214 | 1192 | 1225 | 1234 | 1252 | 1509 | 1501 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 31 | 31 | 31 | 33 | 36 | 38 | 38 | 37 | 34 | 32 | 32 | 40 | 45 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1128 | 1097 | 1093 | 1078 | 1074 | 1086 | 1099 | 1004 | 1006 | 937 | 1183 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1128 | 1097 | 1093 | 1078 | 1074 | 1086 | 1099 | 1004 | 1006 | 937 | 1183 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1427 | 1425 | 1358 | 1275 | 1220 | 1206 | 1201 | 1215 | 1192 | 1225 | 1235 | 1253 | 1518 | 1501 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 31 | 31 | 32 | 34 | 36 | 38 | 39 | 37 | 34 | 33 | 33 | 41 | 37 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 31 | 31 | 32 | 34 | 36 | 38 | 39 | 37 | 34 | 33 | 33 | 41 | 37 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 31 | 31 | 32 | 34 | 36 | 38 | 39 | 37 | 34 | 33 | 33 | 41 | 37 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-23: Regional NUG Resources By Owner
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -Federal Entities- | | | | | | | | | | | | | | |
| 1 BPA - Power Business | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 2 Mission Valley | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 3 Total Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| -Generating Public Entities- | | | | | | | | | | | | | | |
| 4 Chelan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Clark County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 Cowlitz County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 Douglas County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Eugene Water & Electric Board | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 9 Grant County PUD #2 | 14 | 14 | 11 | 8 | 0 | 0 | 0 | 0 | 7.8 | 13 | 13 | 16 | 15 | 15 |
| 10 Grays Harbor PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 M-S-R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 Okanogan County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 Seattle City Light | 82 | 80 | 53 | 20 | 0 | 0.7 | 0 | 1.5 | 5.8 | 46 | 46 | 116 | 130 | 132 |
| 14 Snohomish County PUD #1 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 0.7 | 53 | 53 | 53 | 53 | 53 |
| 15 Tacoma Public Utilities | 53 | 53 | 33 | 15 | 0 | 0 | 0 | 0 | 4.2 | 35 | 35 | 49 | 55 | 59 |
| 16 Total Generating Public Entities | 209 | 208 | 158 | 103 | 53 | 53 | 53 | 54 | 18 | 146 | 154 | 241 | 261 | 267 |
| -Non-Generating Public Entities- | | | | | | | | | | | | | | |
| 17 Ashland, City of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Benton County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 Clallam County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 Energy Northwest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Fall River Elec Coop | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 22 Franklin County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 Klickitat County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 Lakeview L & P (WA) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 Lewis County PUD #1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Mason County PUD #1 | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 27 Mason County PUD #3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 Oregon Trail Coop | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 29 Tanner Elec Coop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Tillamook PUD #1 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 31 Total Non-Generating Public Entities | 1.6 | 1.6 | 1.1 | 2.3 | 2.6 | 2.7 | 2.7 | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.2 | 1.3 |
| -Investor-Owned Entities- | | | | | | | | | | | | | | |
| 32 Avista Corp (WWP Division) | 260 | 260 | 260 | 260 | 260 | 260 | 261 | 261 | 261 | 130 | 130 | 261 | 261 | 261 |
| 33 Idaho Power Company | 177 | 177 | 160 | 125 | 108 | 85 | 86 | 90 | 110 | 144 | 144 | 175 | 188 | 187 |
| 34 Northwestern Energy LLC (MPC) | 31 | 31 | 32 | 34 | 36 | 38 | 39 | 37 | 34 | 33 | 33 | 41 | 37 | 33 |
| 35 Pacific Power | 65 | 65 | 65 | 64 | 65 | 66 | 63 | 73 | 69 | 72 | 73 | 83 | 68 | 67 |
| 36 Portland General Electric | 13 | 13 | 13 | 17 | 27 | 30 | 29 | 28 | 27 | 28 | 28 | 26 | 19 | 14 |
| 37 Puget Sound Energy | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 593 | 345 | 593 | 593 |
| 38 Utah Power | 6.3 | 6.3 | 6.2 | 5.9 | 5.7 | 5.2 | 4.4 | 5.4 | 5.9 | 5.9 | 5.9 | 7.7 | 10 | 8 |
| 39 Total Investor-owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| -Other Entities- | | | | | | | | | | | | | | |
| 40 Boise Cascade Corporation | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 41 King County Property Services | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 42 PPM Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Total Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| -Total Non-Utility Generating Resources- | | | | | | | | | | | | | | |
| 44 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 45 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 46 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 47 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 48 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

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Table A-24
Non-Utility Generating Resources by Project
and Project Type
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.6 | 1.6 | 2.1 | 2.8 | 2.5 | 2.4 | 2.3 | 2.1 | 2.1 | 2.1 | 2.1 | 3.6 | 3.3 | 2.4 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Elwah Hydro | 15 | 15 | 4.9 | 13 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 9.8 |
| 41 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 43 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 45 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 46 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 47 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 48 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 49 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 50 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 51 Glines Hydro | 16 | 16 | 9.6 | 16 | 24 | 16 | 16 | 16 | 16 | 16 | 16 | 32 | 16 | 16 |
| 52 Hailey Cssp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 53 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 54 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 55 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 56 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 58 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 59 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 60 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 61 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 63 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 65 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |
| 66 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 68 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 69 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 70 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 71 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 74 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 75 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 76 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 77 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 78 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 79 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 80 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 81 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 82 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 83 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 84 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 86 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 87 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 88 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 90 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 91 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 92 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 94 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 95 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 96 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 97 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 98 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 99 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 102 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 103 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 104 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 106 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 110 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 113 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 114 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 115 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 116 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 119 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 120 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 121 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 122 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 123 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 124 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 125 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 126 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 127 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 128 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2007 - 2008 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 130 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 132 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 133 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 135 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 136 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.4 | 0.3 | 0.3 | 0.6 | 0.5 | 0.5 |
| 137 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 138 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 139 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 140 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 141 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 144 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 145 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 147 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 148 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 149 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 150 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 151 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 152 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 153 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 154 Wisconsin Creek | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 156 Total NUG: Hydro | 394 | 392 | 306 | 239 | 188 | 167 | 159 | 170 | 206 | 319 | 329 | 472 | 472 | 460 |
| -NUG: Small Thermal & Misc.- | | | | | | | | | | | | | | |
| 157 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 158 Montana One | 10 | 10 | 10 | 11 | 9.1 | 9.8 | 10.0 | 9.4 | 8.2 | 7.4 | 7.4 | 13 | 12 | 11 |
| 159 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 160 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 161 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 162 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 32 | 31 | 32 | 32 | 31 | 30 | 29 | 29 | 34 | 33 | 32 |
| -NUG: Combustion Turbines- | | | | | | | | | | | | | | |
| 163 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 164 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 165 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 166 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| -NUG: Co-Generation- | | | | | | | | | | | | | | |
| 167 Billings Generation | 17 | 17 | 17 | 18 | 15 | 16 | 16 | 15 | 13 | 12 | 12 | 21 | 19 | 17 |
| 168 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 169 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 170 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 171 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 172 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 173 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 174 Evergreen Biopower Cogen | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 175 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 176 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 177 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 178 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 179 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 180 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 181 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 182 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 183 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 184 Sumas Compression Station | 0 | 0 | 0 | 0 | 0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 185 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 187 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 188 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 189 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 190 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 191 Total NUG: Co-Generation | 496 | 496 | 498 | 496 | 495 | 507 | 509 | 513 | 456 | 508 | 508 | 514 | 512 | 513 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 192 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 196 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 197 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 198 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 199 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 206 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 212 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 213 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 214 Raft River Geothermal Phase One | 0 | 0 | 0 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 215 Stalene Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 216 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 217 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 222 Total NUG: Renewables | 37 | 37 | 37 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 223 Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| 224 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 225 Investor-Owned Entities | 1115 | 1115 | 1099 | 1081 | 1069 | 1069 | 1064 | 1077 | 1090 | 995 | 996 | 935 | 1173 | 1160 |
| 226 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 227 Total Non-Utility Generation | 1379 | 1377 | 1294 | 1238 | 1184 | 1176 | 1171 | 1185 | 1162 | 1195 | 1204 | 1246 | 1488 | 1476 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.6 | 1.6 | 2.1 | 2.8 | 2.5 | 2.4 | 2.3 | 2.2 | 2.1 | 2.2 | 2.2 | 3.7 | 3.3 | 2.5 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Elwah Hydro | 15 | 15 | 4.9 | 13 | 14 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 9.8 |
| 41 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 43 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 45 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 46 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 47 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 48 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 49 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 50 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 51 Glines Hydro | 16 | 16 | 9.6 | 16 | 24 | 16 | 16 | 16 | 16 | 16 | 16 | 32 | 16 | 16 |
| 52 Hailey Cssp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 53 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 54 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 55 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 56 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 58 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 59 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 60 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 61 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 63 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 65 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |
| 66 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 68 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 69 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 70 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 71 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 74 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 75 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 76 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 77 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 78 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 79 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 80 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 81 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 82 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 83 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 84 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 86 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 87 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 88 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 90 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 91 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 92 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 94 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 95 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 96 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 97 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 98 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 99 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 102 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 103 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 104 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 106 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 110 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 113 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 114 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 115 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 116 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 119 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 120 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 121 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 122 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 123 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 124 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 125 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 126 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 127 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 128 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2008 - 2009 Operating Year
[43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 130 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 132 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 133 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 135 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 136 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.4 | 0.3 | 0.3 | 0.6 | 0.5 | 0.5 |
| 137 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 138 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 139 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 140 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 141 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 144 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 145 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 147 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 148 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 149 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 150 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 151 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 152 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 153 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 154 Wisconsin Creek | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 156 Total NUG: Hydro | 394 | 392 | 306 | 239 | 188 | 167 | 160 | 170 | 206 | 319 | 329 | 472 | 472 | 460 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 157 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 158 Montana One | 10 | 10 | 10 | 11 | 9.1 | 9.9 | 10 | 9.5 | 8.3 | 7.5 | 7.5 | 13 | 12 | 11 |
| 159 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 160 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 161 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 162 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 32 | 31 | 32 | 32 | 31 | 30 | 29 | 29 | 35 | 33 | 32 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 163 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 164 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 165 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 166 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 167 Billings Generation | 17 | 17 | 17 | 18 | 15 | 16 | 16 | 15 | 13 | 12 | 12 | 21 | 19 | 18 |
| 168 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 169 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 170 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 171 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 172 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 173 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 174 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 175 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 176 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 177 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 178 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 179 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 180 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 181 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 182 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 183 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 184 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 185 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 187 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 188 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 189 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 190 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 191 Total NUG: Co-Generation | 511 | 511 | 513 | 511 | 510 | 507 | 509 | 513 | 456 | 508 | 508 | 515 | 512 | 513 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 192 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 196 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 197 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 198 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 199 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 205 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 206 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 212 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 213 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 214 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 215 Stalene Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 216 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 217 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 222 Total NUG: Renewables | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 223 Federal Entities | 34 | 34 | 18 | 33 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 33 | 29 |
| 224 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 225 Investor-Owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1069 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1173 | 1160 |
| 226 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 227 Total Non-Utility Generation | 1407 | 1405 | 1322 | 1253 | 1199 | 1176 | 1171 | 1185 | 1162 | 1195 | 1205 | 1247 | 1488 | 1476 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.6 | 1.6 | 2.1 | 2.8 | 2.5 | 2.4 | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 3.7 | 4.1 | 2.5 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Elwah Hydro | 15 | 15 | 4.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 43 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 45 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 46 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 47 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 48 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 49 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 50 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 51 Glines Hydro | 16 | 16 | 9.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 Hailey Cssp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 53 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 54 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 55 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 56 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 57 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 58 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 59 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 60 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 61 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 63 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 65 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |
| 66 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 68 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 69 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 70 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 71 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 72 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 74 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 75 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 76 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 77 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 78 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 79 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 80 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 81 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 82 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 83 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 84 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 85 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 86 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 87 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 88 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 90 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 91 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 92 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 94 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 95 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 96 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 97 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 98 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 99 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 100 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 102 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 103 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 104 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 106 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 110 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 111 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 113 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 114 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 115 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 116 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 117 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 119 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 120 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 121 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 122 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 123 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 124 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 125 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 126 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 127 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 128 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 130 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 131 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 132 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 133 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 135 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 136 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.4 | 0.4 | 0.4 | 0.6 | 0.7 | 0.5 |
| 137 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 138 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 139 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 |
| 140 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 141 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 142 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 144 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 145 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 146 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 147 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 148 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 149 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 150 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 151 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 152 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 153 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 154 Wisconsin Creek | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 155 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 156 Total NUG: Hydro | 394 | 392 | 306 | 209 | 150 | 138 | 130 | 141 | 177 | 290 | 300 | 426 | 444 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 157 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 158 Montana One | 10 | 10 | 10 | 11 | 9.2 | 10 | 10 | 9.6 | 8.4 | 7.6 | 7.6 | 13 | 15 | 11 |
| 159 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 160 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 161 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 162 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 31 | 32 | 32 | 31 | 30 | 29 | 29 | 35 | 36 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 163 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 164 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 165 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 166 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 167 Billings Generation | 17 | 17 | 17 | 18 | 15 | 16 | 17 | 16 | 14 | 12 | 12 | 21 | 24 | 18 |
| 168 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 169 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 170 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 171 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 172 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 173 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 174 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 175 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 176 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 177 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 178 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 179 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 180 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 181 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 182 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 183 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 184 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 185 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 187 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 188 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 189 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 190 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 191 Total NUG: Co-Generation | 511 | 511 | 513 | 512 | 510 | 508 | 510 | 513 | 456 | 508 | 508 | 515 | 517 | 513 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 192 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 196 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 197 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 198 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 199 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 203 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Fourmile Hill Geothermal | 0 | 0 | 0 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 205 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 207 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 212 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 213 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 214 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 215 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 216 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 218 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 222 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 223 Total NUG: Renewables | 50 | 50 | 50 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 224 Federal Entities | 34 | 34 | 18 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 225 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 226 Investor-Owned Entities | 1143 | 1143 | 1127 | 1096 | 1084 | 1070 | 1065 | 1077 | 1090 | 995 | 997 | 936 | 1182 | 1160 |
| 227 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 228 Total Non-Utility Generation | 1407 | 1405 | 1322 | 1274 | 1211 | 1198 | 1192 | 1206 | 1183 | 1216 | 1226 | 1251 | 1517 | 1500 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.6 | 1.6 | 2.1 | 2.8 | 3.3 | 3.1 | 2.9 | 2.8 | 2.8 | 3.0 | 3.0 | 3.7 | 3.4 | 2.5 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 10 | 10 | 10 | 11 | 12 | 13 | 13 | 12 | 11 | 10 | 10 | 13 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 34 | 35 | 34 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 17 | 17 | 17 | 18 | 20 | 21 | 21 | 20 | 18 | 17 | 17 | 21 | 19 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASCOW Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 512 | 514 | 517 | 461 | 513 | 513 | 515 | 512 | 513 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1143 | 1143 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1098 | 1003 | 1005 | 936 | 1174 | 1160 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1426 | 1424 | 1358 | 1274 | 1219 | 1206 | 1200 | 1214 | 1191 | 1224 | 1234 | 1251 | 1509 | 1500 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.1 | 2.8 | 3.3 | 3.1 | 3.0 | 2.8 | 2.9 | 3.0 | 3.0 | 3.8 | 3.4 | 2.5 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 12 | 11 | 10 | 10 | 13 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 34 | 35 | 34 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 17 | 17 | 17 | 18 | 20 | 21 | 21 | 20 | 18 | 17 | 17 | 21 | 19 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 512 | 514 | 518 | 461 | 513 | 513 | 515 | 512 | 513 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1127 | 1097 | 1092 | 1078 | 1073 | 1085 | 1099 | 1004 | 1005 | 936 | 1174 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1426 | 1425 | 1358 | 1274 | 1220 | 1206 | 1200 | 1214 | 1192 | 1225 | 1234 | 1252 | 1509 | 1501 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.1 | 2.9 | 3.3 | 3.1 | 3 | 2.9 | 2.9 | 3 | 3 | 3.8 | 4.3 | 2.6 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.7 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 444 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 11 | 11 | 11 | 13 | 15 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 34 | 33 | 32 | 32 | 35 | 37 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 17 | 17 | 17 | 18 | 20 | 21 | 22 | 21 | 18 | 17 | 17 | 22 | 24 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASCOW Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 512 | 514 | 518 | 461 | 513 | 513 | 515 | 517 | 514 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1128 | 1097 | 1093 | 1078 | 1074 | 1086 | 1099 | 1004 | 1006 | 937 | 1183 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1427 | 1425 | 1358 | 1275 | 1220 | 1206 | 1201 | 1215 | 1192 | 1225 | 1235 | 1253 | 1518 | 1501 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.2 | 2.9 | 3.3 | 3.2 | 3.1 | 2.9 | 3.0 | 3.1 | 3.1 | 3.9 | 3.5 | 2.6 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

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 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 12 | 11 | 11 | 14 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 35 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 18 | 18 | 18 | 18 | 20 | 21 | 22 | 21 | 19 | 18 | 18 | 22 | 20 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASCOW Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 513 | 515 | 518 | 461 | 513 | 513 | 516 | 513 | 514 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.2 | 2.9 | 3.3 | 3.2 | 3.1 | 2.9 | 3.0 | 3.1 | 3.1 | 3.9 | 3.5 | 2.6 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 12 | 11 | 11 | 14 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 35 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 18 | 18 | 18 | 18 | 20 | 21 | 22 | 21 | 19 | 18 | 18 | 22 | 20 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASCOW Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 513 | 515 | 518 | 461 | 513 | 513 | 516 | 513 | 514 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.2 | 2.9 | 3.3 | 3.2 | 3.1 | 2.9 | 3.0 | 3.1 | 3.1 | 3.9 | 3.5 | 2.6 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey C spp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 12 | 11 | 11 | 14 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 35 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum- Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 18 | 18 | 18 | 18 | 20 | 21 | 22 | 21 | 19 | 18 | 18 | 22 | 20 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 513 | 515 | 518 | 461 | 513 | 513 | 516 | 513 | 514 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| <i>-NUG: Hydro-</i> | | | | | | | | | | | | | | |
| 1 Albany | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 2 Barber Dam | 3 | 3 | 2.4 | 1.1 | 0.4 | 1.2 | 2.7 | 3.3 | 4.1 | 4.1 | 4.1 | 4.0 | 4.1 | 4.1 |
| 3 Barney Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 Beaverton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 Bell Mountain | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 |
| 6 Bingham Engineering | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 7 Birch Creek | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 Birch Creek | 1.3 | 1.3 | 1.1 | 1.0 | 1.1 | 1.1 | 0.3 | 1.2 | 1.7 | 1.6 | 1.6 | 1.6 | 1.3 | 1.2 |
| 9 Black Canyon #3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 10 Black Creek | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 11 Blind Canyon Hydro | 0.7 | 0.7 | 1.1 | 0.9 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.6 | 1.0 | 0.7 |
| 12 Boulder Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 13 Box Canyon | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 14 Briggs Creek | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 15 Broadwater Dam | 1.7 | 1.7 | 2.2 | 2.9 | 3.3 | 3.2 | 3.1 | 2.9 | 3.0 | 3.1 | 3.1 | 3.9 | 3.5 | 2.6 |
| 16 Buffalo Hydro | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 17 Burr & Bouchar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 Bypass | 8.3 | 8.3 | 6.5 | 2.8 | 1.0 | 0 | 0 | 0 | 0.1 | 2.9 | 2.9 | 7 | 8.2 | 8.7 |
| 19 Canyon Springs | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 20 Carlton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 Cascade Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 Cedar Draw | 0.3 | 0.3 | 0.9 | 0.9 | 0.9 | 1.2 | 1.2 | 1.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 |
| 23 Central OR Irrigation District | 3.1 | 3.1 | 3.7 | 3.5 | 0 | 0.7 | 0 | 0.4 | 0.9 | 0.8 | 0.8 | 4.5 | 3.8 | 4.1 |
| 24 Clear Springs Trout | 0.4 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 |
| 25 Cornelius | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 Cowiche | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 27 Crystal Springs | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 0.8 | 0.8 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 | 2.2 | 2.1 |
| 28 Curry Cattle Co. | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 |
| 29 Curtiss Livestock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 Dairy Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 Deep Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 Derr Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 |
| 33 Dietrich Drop | 4.7 | 4.7 | 3.6 | 3.1 | 1.4 | 0 | 0 | 0 | 0 | 3.1 | 3.1 | 4.7 | 4.7 | 4.5 |
| 34 Don Steffen | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 Donald Jenni | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 36 Dworshak/Clearwater Small Hydropower | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 37 Eagle Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 Elk Creek | 1.9 | 1.9 | 0 | 0 | 0 | 0.2 | 0.2 | 0.2 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 39 Eltopia Br Canal 4.6 | 1.8 | 1.8 | 1.2 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 2 | 2 | 2.2 |
| 40 Estacada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 Falls Creek | 0 | 0 | 0 | 0 | 1.9 | 3.1 | 0.9 | 2.7 | 2.7 | 4.4 | 4.4 | 4.1 | 3.8 | 0 |
| 42 Falls Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 Falls River | 6.5 | 6.5 | 6.3 | 5.7 | 5.6 | 5.0 | 4.2 | 3.8 | 3.8 | 6.2 | 6.2 | 7.9 | 8.5 | 7.1 |
| 44 Farmers Irrig. | 0.6 | 0.6 | 0.7 | 1.2 | 3.2 | 3.2 | 2.1 | 4.6 | 3.3 | 3.5 | 3.5 | 4.7 | 0.8 | 0.7 |
| 45 Faulkner Ranch | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.3 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 | 0.5 | 0.8 | 0.8 |
| 46 Fisheries Development Co | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 |
| 47 Galesville Dam | 0.6 | 0.6 | 0.4 | 0.2 | 0.2 | 0.3 | 0 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 |
| 48 Geobon 2 | 1.0 | 1.0 | 0.3 | 0.3 | 0.3 | 0.2 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 1.0 | 1.0 |
| 49 Georgetown Power | 0 | 0 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0 |
| 50 Hailey Csp | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 51 Hazelton A | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 52 Hazelton B | 6.6 | 6.6 | 5.2 | 2.4 | 0.7 | 0 | 0 | 0 | 0.1 | 2.2 | 2.2 | 5.6 | 6.4 | 7.0 |
| 53 Horseshoe Bend | 8.8 | 8.8 | 7.5 | 3.9 | 2.8 | 3.5 | 3.9 | 4.6 | 5.9 | 8.8 | 8.8 | 9.9 | 9.8 | 9.2 |
| 54 Hutchinson Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 55 Ingram Warm Springs | 0.2 | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 |
| 56 Jim Ford Creek | 0 | 0 | 0 | 0 | 0.3 | 0.5 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 0.7 | 0.3 | 0.1 |
| 57 Jim Knight | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 |
| 58 John Day Creek | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 59 John Llewellyn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 Kasel & Witherspoon | 0.9 | 0.9 | 0.9 | 0.6 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.8 | 0.9 | 0.8 |
| 61 Kevin Duncan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 Koma Kulshan | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 63 Koyle | 1.1 | 1.1 | 1.1 | 1.0 | 1 | 0.2 | 0.1 | 0.1 | 0.3 | 0.8 | 0.8 | 1.2 | 0.8 | 0.9 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|-----------------------------------|------|-------|-----|-----|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|
| 64 L. Fery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 Lacombe Irrig. | 0 | 0 | 0 | 0 | 0.2 | 1.0 | 0.2 | 0.9 | 0.9 | 1 | 1 | 0.9 | 0.9 | 0.4 |
| 66 Lake Oswego | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 67 Lateral #10 | 1.2 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 |
| 68 Lee Tavenner | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 69 Lemoyne | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 70 Lilliwaup Falls Generating Co. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 Little Mac | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 72 Little Wood River Res. | 1.9 | 1.9 | 0.2 | 0.2 | 0.2 | 0 | 0 | 0 | 1.6 | 1.7 | 1.7 | 1.6 | 2 | 1.9 |
| 73 Littlewood/Arkoosh | 0.7 | 0.7 | 0.4 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.4 | 0.5 | 0.5 | 0.4 | 0.8 | 0.7 |
| 74 Lowline #2 | 2.7 | 2.7 | 2.5 | 1.8 | 1.4 | 0 | 0 | 0.7 | 1.9 | 2.5 | 2.5 | 2.7 | 2.7 | 2.7 |
| 75 Lowline Canal | 7.8 | 7.8 | 7.5 | 7.3 | 7.5 | 0.6 | 0.6 | 0.7 | 5.3 | 5.5 | 5.5 | 5.3 | 8.1 | 7.8 |
| 76 Lucky Peak | 29 | 27 | 20 | 4.5 | 0 | 0.7 | 0 | 1.5 | 1.6 | 11 | 11 | 68 | 75 | 73 |
| 77 Magic Reservoir | 6.8 | 6.8 | 4.4 | 0.5 | 0.2 | 0.1 | 0.3 | 0.1 | 0.9 | 3.0 | 3.0 | 8.3 | 9.1 | 9.0 |
| 78 Main Canal Headworks | 20 | 20 | 12 | 5.2 | 0 | 0 | 0 | 0 | 2.8 | 14 | 14 | 18 | 21 | 24 |
| 79 Malad River | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.1 | 0.1 | 0 | 0.2 | 0.4 | 0.4 | 0.6 | 0.4 | 0.5 |
| 80 Marcos Ranches | 1.1 | 1.1 | 1.2 | 1.1 | 1.2 | 0 | 0 | 0 | 1.1 | 1.2 | 1.2 | 1.1 | 1.2 | 1.1 |
| 81 Marsh Valley | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 82 Meyers Falls | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 83 Middlefork Irrig. | 1.8 | 1.8 | 0.8 | 1.2 | 1.3 | 1.7 | 2.7 | 3.1 | 3.1 | 2.9 | 2.9 | 2.8 | 2.4 | 2.0 |
| 84 Mile 28 | 1.3 | 1.3 | 1.2 | 0.7 | 0.2 | 0 | 0 | 0 | 0 | 0.6 | 0.6 | 1.2 | 1.3 | 1.4 |
| 85 Mill Creek (OR) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 86 Minikahda | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 Mink Creek | 1.2 | 1.2 | 0.8 | 0.6 | 0.6 | 0.5 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 1.6 | 2.7 | 1.6 |
| 88 Mitchell Butte | 1.8 | 1.8 | 1.8 | 0.7 | 0 | 0 | 0 | 0 | 0.5 | 1.4 | 1.4 | 2.1 | 2.1 | 1.8 |
| 89 Mora Canal Drop | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 |
| 90 Mountain Energy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 Mt. Tabor | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 92 Mud Creek/S&S | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| 93 Mud Creek/White | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 |
| 94 Nichols Gap | 0 | 0 | 0 | 0 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.4 | 0.4 | 0 | 0 | 0 |
| 95 Nicholson Sunnybar | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 96 North Fork Sprague | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 | 0.3 | 0.2 | 0.3 | 0.3 | 0.9 | 0.4 | 0.1 |
| 97 O.J. Power | 0 | 0 | 0.1 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 98 Odell Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 Opal Springs | 2.6 | 2.6 | 3.0 | 3.6 | 3.2 | 2.9 | 2.9 | 3.5 | 2.6 | 2.7 | 2.7 | 4.5 | 1.6 | 2.2 |
| 100 Orchard Avenue | 0.8 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.8 | 0.8 | 0.8 | 0.8 |
| 101 Owyhee Dam | 3.6 | 3.6 | 2.6 | 0.8 | 0 | 0 | 0.3 | 0.8 | 2.3 | 4.3 | 4.3 | 5 | 4.3 | 4.1 |
| 102 Pancheri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 PEC Headworks | 4.5 | 4.5 | 3.1 | 3 | 0 | 0 | 0 | 0 | 2.8 | 5.1 | 5.1 | 6.5 | 6.2 | 5.8 |
| 104 Phillips Ranch | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 Phillipsburg | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 Pickering Micro Hydro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 Pigeon Cove | 2.0 | 2.0 | 2.1 | 1.3 | 0.8 | 0.4 | 0.3 | 0.4 | 0.6 | 0.8 | 0.8 | 1.7 | 1.9 | 1.7 |
| 108 Pine Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 109 Portland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 Portland Hydro Project | 2.3 | 2.3 | 2.9 | 6.7 | 16 | 20 | 18 | 17 | 16 | 17 | 17 | 15 | 8.4 | 3.2 |
| 111 Portneuf River | 0.2 | 0.2 | 0.1 | 0 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.6 | 0.4 |
| 112 Potholes E Canal 66.0 | 1.8 | 1.8 | 1.8 | 1.6 | 0 | 0 | 0 | 0 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 113 Preston City | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 114 Pristine Springs | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 115 Pristine Springs #3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 116 Quincy Chute | 9 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 5 | 8 | 8 | 9 | 9 | 9 |
| 117 Reynolds Irrigation | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 118 Rim View | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 119 Rock Creek #1 | 1.3 | 1.3 | 1.9 | 2 | 1.5 | 1.6 | 1.3 | 1.2 | 1.3 | 1.7 | 1.7 | 1.7 | 1.5 | 1.3 |
| 120 Rock Creek #2 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 0.6 | 0.4 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 |
| 121 Rocky Brook | 0.5 | 0.5 | 0 | 1.1 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.2 |
| 122 Russel D. Smith | 4 | 4 | 2.6 | 1.4 | 0 | 0 | 0 | 0 | 0.2 | 2.4 | 2.4 | 3.8 | 4.2 | 3.4 |
| 123 Sagebrush | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 124 Sahko | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 125 Salem | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 Schaffner | 0.4 | 0.4 | 0.3 | 0.2 | 0.3 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 127 Sheep Creek | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.5 | 0.5 | 0.9 | 1.6 | 1.6 | 0.8 | 1.5 | 1.1 |
| 128 Shingle Creek | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 129 Shoshone | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0 | 0 | 0 | 0.1 | 0.2 | 0.2 | 0.4 | 0.2 | 0.3 |
| 130 Shoshone II | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0.3 | 0.3 | 0.5 | 0.6 | 0.6 |
| 131 Snake River Pottery | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 Snedigar Ranch | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| 133 Solar Research | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0.1 |
| 134 South Dry Creek | 0.5 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.5 |
| 135 Spokane Upriver | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 136 Stauffer Dry Creek | 0.9 | 0.9 | 1 | 0.8 | 0.4 | 0 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.9 | 2.7 | 2.1 |
| 137 Strawberry Creek | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 138 Summer Falls | 79 | 79 | 48 | 22 | 0 | 0 | 0 | 0 | 4.8 | 50 | 50 | 71 | 81 | 87 |
| 139 Sunshine Power #2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 140 Thomas Burnside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 Tiber Dam Liberty Montana | 7 | 7 | 5.4 | 2.5 | 0.9 | 0 | 0 | 0 | 0.1 | 2.6 | 2.6 | 6 | 6.7 | 7.4 |
| 142 Tieton | 7.8 | 7.8 | 7.8 | 7.8 | 0 | 0 | 0 | 0 | 0 | 0 | 7.8 | 7.8 | 7.8 | 7.8 |
| 143 Trout Co. | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 144 Tunnel #1 | 5 | 5 | 3 | 0.6 | 0 | 0 | 0 | 0 | 2.8 | 6 | 6 | 6.9 | 6.9 | 7 |
| 145 Twin Falls | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 146 Walla Walla | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.8 | 1.5 | 1.5 | 1.8 |
| 147 Water Street / Santiam | 0 | 0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 |
| 148 Weeks Falls | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 149 White James | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| 150 White Water Ranch | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 151 Wilson Lake Hydro | 7.1 | 7.1 | 5.3 | 2.0 | 0.2 | 0 | 0 | 0 | 0 | 2.3 | 2.3 | 6.1 | 6.8 | 7.6 |
| 152 Wisconsin Creek | 0 | 0 | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| 153 Woods Creek | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 154 Total NUG: Hydro | 363 | 361 | 292 | 209 | 151 | 139 | 131 | 142 | 178 | 291 | 301 | 427 | 443 | 434 |
| <i>-NUG: Small Thermal & Misc.-</i> | | | | | | | | | | | | | | |
| 155 Methane Energy Agricultural D. | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 156 Montana One | 11 | 11 | 11 | 11 | 12 | 13 | 13 | 13 | 12 | 11 | 11 | 14 | 12 | 11 |
| 157 Pocatello Waste | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 | 0.2 | 0.1 |
| 158 Spokane MSW | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 159 West Boise Waste | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 160 Total NUG: Small Thermal & Misc. | 32 | 32 | 32 | 33 | 34 | 35 | 35 | 35 | 33 | 32 | 32 | 35 | 34 | 33 |
| <i>-NUG: Combustion Turbines-</i> | | | | | | | | | | | | | | |
| 161 Rathdrum - Boekel Rd. #1 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 44 | 0 | 88 | 88 | 88 |
| 162 Rathdrum -Boekel Rd. #2 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 0 | 44 | 88 | 88 | 88 |
| 163 Tenaska Gas Cogen | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 0 | 245 | 245 |
| 164 Total NUG: Combustion Turbines | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 289 | 289 | 176 | 421 | 421 |
| <i>-NUG: Co-Generation-</i> | | | | | | | | | | | | | | |
| 165 Billings Generation | 18 | 18 | 18 | 18 | 20 | 21 | 22 | 21 | 19 | 18 | 18 | 22 | 20 | 18 |
| 166 Biomass One | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 167 Boise Cascade Medford | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 |
| 168 Champion | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 169 Cogen Co | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| 170 DR Johnson - Co-Gen II | 7.5 | 7.5 | 7.7 | 5.8 | 7.3 | 6.0 | 6.7 | 9.1 | 7.3 | 7.4 | 7.4 | 11 | 4.2 | 7.1 |
| 171 Everett Cogeneration Project | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 0 | 52 | 52 | 52 | 52 | 52 |
| 172 Evergreen Biopower Cogen | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 173 Haleywest L.L.C | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 |
| 174 Magic Valley | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 175 Magic West | 9.3 | 9.3 | 9.7 | 9.3 | 9.6 | 9.3 | 9.3 | 10 | 9.4 | 9.7 | 9.7 | 9.4 | 9.7 | 9.3 |
| 176 March Point #1 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 177 March Point #2 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 178 Metro Westpoint | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 179 PERC Pierce, Wa | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 |
| 180 Pottlatch Contract Renewal | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 181 Simplot Pocatello | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 182 Sumas Compression Station | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 183 Sumas Energy | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 | 133 |
| 184 Tamarack | 3.8 | 3.8 | 4.6 | 4.7 | 4.2 | 3.2 | 3.6 | 3.8 | 4.2 | 4.4 | 4.4 | 3.4 | 4.6 | 4.8 |
| 185 TASC0 Nampa ID | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

Continued

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 186 TASC0 Twin Falls ID | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 187 Vaagen Bros. | 3 | 3 | 3.7 | 3.8 | 3.3 | 2.6 | 2.9 | 3.1 | 3.4 | 3.6 | 3.6 | 2.7 | 3.7 | 3.8 |
| 188 Warm Springs | 0.1 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 |
| 189 Total NUG: Co-Generation | 511 | 511 | 514 | 512 | 515 | 513 | 515 | 518 | 461 | 513 | 513 | 516 | 513 | 514 |
| <i>-NUG: Renewables-</i> | | | | | | | | | | | | | | |
| 190 Ashland Solar Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 Big Horn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 Chinook Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 Condon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 Covanta Marion Solid Waste | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 | 9.8 |
| 195 Dry Creek Landfill (NUG Renewable) | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 196 Emmett Biomass Project | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 197 Eurus Combine Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 Foote Creek 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 Foote Creek 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 Foote Creek 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 201 Fossil Gulch Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 202 Fourmile Hill Geothermal | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 203 Healow #2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 204 Hidden Hollow Landfill | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 205 Josef Staufer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 206 Klondike 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 207 Klondike I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 208 Lewandowski Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 209 Livingston | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 210 Nine Canyon Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 211 Pine Products Corp | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 212 Puyallup Energy Recovery | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 213 Raft River Geothermal Phase One | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 214 Stateline Wind Project | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 215 VanderHaak Dairy | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 216 Vansycle Wind | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 217 White Bluffs Solar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 218 White Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 219 Windmill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 220 Wolverine Creek | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 221 Total NUG: Renewables | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| <i>-Total Non-Utility Generating Resources-</i> | | | | | | | | | | | | | | |
| 222 Federal Entities | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 223 Public Entities | 211 | 209 | 159 | 106 | 55 | 56 | 55 | 57 | 21 | 149 | 157 | 244 | 263 | 268 |
| 224 Investor-Owned Entities | 1144 | 1144 | 1128 | 1098 | 1093 | 1079 | 1075 | 1087 | 1100 | 1005 | 1007 | 938 | 1176 | 1161 |
| 225 Other Entities | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 226 Total Non-Utility Generation | 1427 | 1425 | 1359 | 1275 | 1220 | 1207 | 1202 | 1215 | 1193 | 1226 | 1235 | 1253 | 1511 | 1501 |

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Table A-26
Dedicated Resources
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4595 | 4538 | 4724 | 4540 | 4659 | 4632 | 4535 | 4457 | 4306 | 4338 | 4454 | 3869 | 4890 | 4675 |
| 2 Total Generating Public Entities | 4595 | 4538 | 4724 | 4540 | 4659 | 4632 | 4535 | 4457 | 4306 | 4338 | 4454 | 3869 | 4890 | 4675 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 107 | 107 | 125 | 156 | 154 | 155 | 154 | 155 | 162 | 150 | 150 | 154 | 154 | 149 |
| 4 Total Non-Generating Public Entities | 107 | 107 | 125 | 156 | 154 | 155 | 154 | 155 | 162 | 150 | 150 | 154 | 154 | 149 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 12270 | 12206 | 12366 | 12257 | 12142 | 12294 | 12150 | 12123 | 11943 | 12291 | 12327 | 10803 | 11750 | 12321 |
| 6 Total Investor-owned Entities | 12270 | 12206 | 12366 | 12257 | 12142 | 12294 | 12150 | 12123 | 11943 | 12291 | 12327 | 10803 | 11750 | 12321 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4595 | 4538 | 4724 | 4540 | 4659 | 4632 | 4535 | 4457 | 4306 | 4338 | 4454 | 3869 | 4890 | 4675 |
| 8 Small & Non Generating Entities | 107 | 107 | 125 | 156 | 154 | 155 | 154 | 155 | 162 | 150 | 150 | 154 | 154 | 149 |
| 9 Investor-Owned Entities | 12270 | 12206 | 12366 | 12257 | 12142 | 12294 | 12150 | 12123 | 11943 | 12291 | 12327 | 10803 | 11750 | 12321 |
| 10 Regional Total Dedicated Resources | 16971 | 16851 | 17215 | 16953 | 16956 | 17081 | 16839 | 16734 | 16411 | 16779 | 16931 | 14826 | 16793 | 17145 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4653 | 4596 | 4781 | 4545 | 4666 | 4636 | 4542 | 4464 | 4312 | 4335 | 4451 | 4109 | 4888 | 4672 |
| 2 Total Generating Public Entities | 4653 | 4596 | 4781 | 4545 | 4666 | 4636 | 4542 | 4464 | 4312 | 4335 | 4451 | 4109 | 4888 | 4672 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 149 | 149 | 158 | 155 | 153 | 157 | 153 | 154 | 161 | 149 | 149 | 153 | 152 | 147 |
| 4 Total Non-Generating Public Entities | 149 | 149 | 158 | 155 | 153 | 157 | 153 | 154 | 161 | 149 | 149 | 153 | 152 | 147 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 12287 | 12417 | 12578 | 12273 | 12150 | 12292 | 12148 | 12121 | 11940 | 12185 | 11161 | 11049 | 12227 | 12313 |
| 6 Total Investor-owned Entities | 12287 | 12417 | 12578 | 12273 | 12150 | 12292 | 12148 | 12121 | 11940 | 12185 | 11161 | 11049 | 12227 | 12313 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4653 | 4596 | 4781 | 4545 | 4666 | 4636 | 4542 | 4464 | 4312 | 4335 | 4451 | 4109 | 4888 | 4672 |
| 8 Small & Non Generating Entities | 149 | 149 | 158 | 155 | 153 | 157 | 153 | 154 | 161 | 149 | 149 | 153 | 152 | 147 |
| 9 Investor-Owned Entities | 12287 | 12417 | 12578 | 12273 | 12150 | 12292 | 12148 | 12121 | 11940 | 12185 | 11161 | 11049 | 12227 | 12313 |
| 10 Regional Total Dedicated Resources | 17089 | 17162 | 17516 | 16974 | 16970 | 17085 | 16843 | 16739 | 16413 | 16669 | 15761 | 15311 | 17267 | 17132 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4651 | 4594 | 4779 | 4543 | 4634 | 4604 | 4508 | 4429 | 4278 | 4112 | 4228 | 4022 | 4856 | 4637 |
| 2 Total Generating Public Entities | 4651 | 4594 | 4779 | 4543 | 4634 | 4604 | 4508 | 4429 | 4278 | 4112 | 4228 | 4022 | 4856 | 4637 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 148 | 148 | 157 | 155 | 154 | 157 | 155 | 156 | 161 | 152 | 152 | 152 | 152 | 151 |
| 4 Total Non-Generating Public Entities | 148 | 148 | 157 | 155 | 154 | 157 | 155 | 156 | 161 | 152 | 152 | 152 | 152 | 151 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 12278 | 12213 | 12373 | 12264 | 12089 | 12232 | 11891 | 11864 | 11683 | 11346 | 10853 | 11806 | 12191 | 12071 |
| 6 Total Investor-owned Entities | 12278 | 12213 | 12373 | 12264 | 12089 | 12232 | 11891 | 11864 | 11683 | 11346 | 10853 | 11806 | 12191 | 12071 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4651 | 4594 | 4779 | 4543 | 4634 | 4604 | 4508 | 4429 | 4278 | 4112 | 4228 | 4022 | 4856 | 4637 |
| 8 Small & Non Generating Entities | 148 | 148 | 157 | 155 | 154 | 157 | 155 | 156 | 161 | 152 | 152 | 152 | 152 | 151 |
| 9 Investor-Owned Entities | 12278 | 12213 | 12373 | 12264 | 12089 | 12232 | 11891 | 11864 | 11683 | 11346 | 10853 | 11806 | 12191 | 12071 |
| 10 Regional Total Dedicated Resources | 17076 | 16955 | 17309 | 16961 | 16877 | 16993 | 16554 | 16450 | 16122 | 15610 | 15233 | 15980 | 17199 | 16859 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4615 | 4558 | 4747 | 4512 | 4635 | 4606 | 4510 | 4431 | 4278 | 4115 | 4231 | 4025 | 4859 | 4591 |
| 2 Total Generating Public Entities | 4615 | 4558 | 4747 | 4512 | 4635 | 4606 | 4510 | 4431 | 4278 | 4115 | 4231 | 4025 | 4859 | 4591 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 151 | 151 | 156 | 125 | 127 | 127 | 125 | 126 | 131 | 122 | 122 | 122 | 122 | 121 |
| 4 Total Non-Generating Public Entities | 151 | 151 | 156 | 125 | 127 | 127 | 125 | 126 | 131 | 122 | 122 | 122 | 122 | 121 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 12036 | 11971 | 12131 | 12022 | 11913 | 12041 | 11795 | 11768 | 11586 | 11453 | 10330 | 10926 | 11405 | 11976 |
| 6 Total Investor-owned Entities | 12036 | 11971 | 12131 | 12022 | 11913 | 12041 | 11795 | 11768 | 11586 | 11453 | 10330 | 10926 | 11405 | 11976 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4615 | 4558 | 4747 | 4512 | 4635 | 4606 | 4510 | 4431 | 4278 | 4115 | 4231 | 4025 | 4859 | 4591 |
| 8 Small & Non Generating Entities | 151 | 151 | 156 | 125 | 127 | 127 | 125 | 126 | 131 | 122 | 122 | 122 | 122 | 121 |
| 9 Investor-Owned Entities | 12036 | 11971 | 12131 | 12022 | 11913 | 12041 | 11795 | 11768 | 11586 | 11453 | 10330 | 10926 | 11405 | 11976 |
| 10 Regional Total Dedicated Resources | 16803 | 16680 | 17035 | 16658 | 16675 | 16774 | 16430 | 16326 | 15995 | 15690 | 14683 | 15073 | 16386 | 16688 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4558 | 4502 | 4691 | 4584 | 4704 | 4673 | 4564 | 4486 | 4343 | 4436 | 4553 | 4252 | 5030 | 4783 |
| 2 Total Generating Public Entities | 4558 | 4502 | 4691 | 4584 | 4704 | 4673 | 4564 | 4486 | 4343 | 4436 | 4553 | 4252 | 5030 | 4783 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 121 | 121 | 126 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 121 | 121 | 126 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11941 | 11876 | 11461 | 11220 | 11106 | 11236 | 11102 | 11075 | 10892 | 10976 | 11014 | 9581 | 11300 | 11214 |
| 6 Total Investor-owned Entities | 11941 | 11876 | 11461 | 11220 | 11106 | 11236 | 11102 | 11075 | 10892 | 10976 | 11014 | 9581 | 11300 | 11214 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4558 | 4502 | 4691 | 4584 | 4704 | 4673 | 4564 | 4486 | 4343 | 4436 | 4553 | 4252 | 5030 | 4783 |
| 8 Small & Non Generating Entities | 121 | 121 | 126 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11941 | 11876 | 11461 | 11220 | 11106 | 11236 | 11102 | 11075 | 10892 | 10976 | 11014 | 9581 | 11300 | 11214 |
| 10 Regional Total Dedicated Resources | 16621 | 16500 | 16278 | 15924 | 15931 | 16029 | 15787 | 15682 | 15361 | 15524 | 15679 | 13946 | 16441 | 16108 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4707 | 4651 | 4830 | 4589 | 4712 | 4681 | 4572 | 4494 | 4348 | 4439 | 4556 | 4256 | 5034 | 4787 |
| 2 Total Generating Public Entities | 4707 | 4651 | 4830 | 4589 | 4712 | 4681 | 4572 | 4494 | 4348 | 4439 | 4556 | 4256 | 5034 | 4787 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11234 | 11168 | 11333 | 11222 | 11109 | 11238 | 11105 | 11078 | 10893 | 10448 | 9957 | 10214 | 11212 | 11217 |
| 6 Total Investor-owned Entities | 11234 | 11168 | 11333 | 11222 | 11109 | 11238 | 11105 | 11078 | 10893 | 10448 | 9957 | 10214 | 11212 | 11217 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4707 | 4651 | 4830 | 4589 | 4712 | 4681 | 4572 | 4494 | 4348 | 4439 | 4556 | 4256 | 5034 | 4787 |
| 8 Small & Non Generating Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11234 | 11168 | 11333 | 11222 | 11109 | 11238 | 11105 | 11078 | 10893 | 10448 | 9957 | 10214 | 11212 | 11217 |
| 10 Regional Total Dedicated Resources | 16052 | 15930 | 16283 | 15931 | 15941 | 16039 | 15798 | 15693 | 15367 | 15000 | 14626 | 14583 | 16357 | 16115 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4711 | 4655 | 4834 | 4593 | 4717 | 4686 | 4577 | 4499 | 4352 | 4442 | 4559 | 4016 | 5036 | 4789 |
| 2 Total Generating Public Entities | 4711 | 4655 | 4834 | 4593 | 4717 | 4686 | 4577 | 4499 | 4352 | 4442 | 4559 | 4016 | 5036 | 4789 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11236 | 11170 | 11334 | 11224 | 11110 | 11242 | 11108 | 11080 | 10895 | 11076 | 10584 | 9433 | 10622 | 11218 |
| 6 Total Investor-owned Entities | 11236 | 11170 | 11334 | 11224 | 11110 | 11242 | 11108 | 11080 | 10895 | 11076 | 10584 | 9433 | 10622 | 11218 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4711 | 4655 | 4834 | 4593 | 4717 | 4686 | 4577 | 4499 | 4352 | 4442 | 4559 | 4016 | 5036 | 4789 |
| 8 Small & Non Generating Entities | 111 | 111 | 121 | 120 | 120 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11236 | 11170 | 11334 | 11224 | 11110 | 11242 | 11108 | 11080 | 10895 | 11076 | 10584 | 9433 | 10622 | 11218 |
| 10 Regional Total Dedicated Resources | 16059 | 15936 | 16289 | 15937 | 15948 | 16048 | 15806 | 15701 | 15373 | 15631 | 15256 | 13562 | 15770 | 16118 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4713 | 4657 | 4837 | 4596 | 4722 | 4691 | 4582 | 4504 | 4356 | 4445 | 4562 | 4019 | 5039 | 4792 |
| 2 Total Generating Public Entities | 4713 | 4657 | 4837 | 4596 | 4722 | 4691 | 4582 | 4504 | 4356 | 4445 | 4562 | 4019 | 5039 | 4792 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 111 | 111 | 121 | 120 | 121 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 111 | 111 | 121 | 120 | 121 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11236 | 11169 | 11334 | 11225 | 11111 | 11242 | 11109 | 11081 | 10895 | 10979 | 10488 | 9158 | 11207 | 11219 |
| 6 Total Investor-owned Entities | 11236 | 11169 | 11334 | 11225 | 11111 | 11242 | 11109 | 11081 | 10895 | 10979 | 10488 | 9158 | 11207 | 11219 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4713 | 4657 | 4837 | 4596 | 4722 | 4691 | 4582 | 4504 | 4356 | 4445 | 4562 | 4019 | 5039 | 4792 |
| 8 Small & Non Generating Entities | 111 | 111 | 121 | 120 | 121 | 120 | 120 | 121 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11236 | 11169 | 11334 | 11225 | 11111 | 11242 | 11109 | 11081 | 10895 | 10979 | 10488 | 9158 | 11207 | 11219 |
| 10 Regional Total Dedicated Resources | 16061 | 15938 | 16291 | 15941 | 15954 | 16054 | 15812 | 15707 | 15376 | 15537 | 15163 | 13290 | 16358 | 16122 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4716 | 4660 | 4840 | 4600 | 4730 | 4698 | 4589 | 4511 | 4360 | 4262 | 4379 | 4211 | 5044 | 4797 |
| 2 Total Generating Public Entities | 4716 | 4660 | 4840 | 4600 | 4730 | 4698 | 4589 | 4511 | 4360 | 4262 | 4379 | 4211 | 5044 | 4797 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 112 | 112 | 121 | 120 | 121 | 120 | 120 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 112 | 112 | 121 | 120 | 121 | 120 | 120 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11237 | 11170 | 11335 | 11225 | 11117 | 11249 | 11115 | 11087 | 10900 | 10403 | 9913 | 10709 | 10785 | 11226 |
| 6 Total Investor-owned Entities | 11237 | 11170 | 11335 | 11225 | 11117 | 11249 | 11115 | 11087 | 10900 | 10403 | 9913 | 10709 | 10785 | 11226 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4716 | 4660 | 4840 | 4600 | 4730 | 4698 | 4589 | 4511 | 4360 | 4262 | 4379 | 4211 | 5044 | 4797 |
| 8 Small & Non Generating Entities | 112 | 112 | 121 | 120 | 121 | 120 | 120 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11237 | 11170 | 11335 | 11225 | 11117 | 11249 | 11115 | 11087 | 10900 | 10403 | 9913 | 10709 | 10785 | 11226 |
| 10 Regional Total Dedicated Resources | 16065 | 15942 | 16295 | 15945 | 15967 | 16068 | 15825 | 15719 | 15385 | 14778 | 14405 | 15033 | 15941 | 16135 |

Table A-26: Dedicated Resources
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4722 | 4665 | 4845 | 4607 | 4739 | 4708 | 4599 | 4521 | 4366 | 4266 | 4383 | 4215 | 5047 | 4800 |
| 2 Total Generating Public Entities | 4722 | 4665 | 4845 | 4607 | 4739 | 4708 | 4599 | 4521 | 4366 | 4266 | 4383 | 4215 | 5047 | 4800 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Non-Generating Public Entities | 112 | 112 | 121 | 120 | 121 | 121 | 121 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| 4 Total Non-Generating Public Entities | 112 | 112 | 121 | 120 | 121 | 121 | 121 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 11244 | 11178 | 11342 | 11231 | 11125 | 11257 | 11123 | 11095 | 10906 | 10605 | 10116 | 10562 | 11167 | 11232 |
| 6 Total Investor-owned Entities | 11244 | 11178 | 11342 | 11231 | 11125 | 11257 | 11123 | 11095 | 10906 | 10605 | 10116 | 10562 | 11167 | 11232 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4722 | 4665 | 4845 | 4607 | 4739 | 4708 | 4599 | 4521 | 4366 | 4266 | 4383 | 4215 | 5047 | 4800 |
| 8 Small & Non Generating Entities | 112 | 112 | 121 | 120 | 121 | 121 | 121 | 122 | 126 | 113 | 113 | 113 | 112 | 111 |
| 9 Investor-Owned Entities | 11244 | 11178 | 11342 | 11231 | 11125 | 11257 | 11123 | 11095 | 10906 | 10605 | 10116 | 10562 | 11167 | 11232 |
| 10 Regional Total Dedicated Resources | 16077 | 15955 | 16307 | 15958 | 15985 | 16085 | 15843 | 15738 | 15398 | 14983 | 14612 | 14890 | 16327 | 16144 |

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Table A-27
Other Dedicated Resources
Monthly OY 2008 – 2017
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4665 | 4384 | 4412 | 4965 | 5685 | 6022 | 5907 | 5899 | 5588 | 4857 | 4687 | 4551 | 4781 | 4675 |
| 2 Total Generating Public Entities | 4665 | 4384 | 4412 | 4965 | 5685 | 6022 | 5907 | 5899 | 5588 | 4857 | 4687 | 4551 | 4781 | 4675 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 4997 | 4827 | 4557 | 5213 | 5605 | 5782 | 5958 | 5771 | 5335 | 4945 | 4840 | 4713 | 5101 | 5177 |
| 4 Total Non-Generating Public Entities | 4997 | 4827 | 4557 | 5213 | 5605 | 5782 | 5958 | 5771 | 5335 | 4945 | 4840 | 4713 | 5101 | 5177 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5844 | 5844 | 5623 | 6033 | 6859 | 7215 | 7153 | 7158 | 5734 | 6362 | 5922 | 4791 | 6020 | 6044 |
| 6 Total Investor-owned Entities | 5844 | 5844 | 5623 | 6033 | 6859 | 7215 | 7153 | 7158 | 5734 | 6362 | 5922 | 4791 | 6020 | 6044 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4665 | 4384 | 4412 | 4965 | 5685 | 6022 | 5907 | 5899 | 5588 | 4857 | 4687 | 4551 | 4781 | 4675 |
| 8 Non Generating Entities | 4997 | 4827 | 4557 | 5213 | 5605 | 5782 | 5958 | 5771 | 5335 | 4945 | 4840 | 4713 | 5101 | 5177 |
| 9 Investor-Owned Entities | 5844 | 5844 | 5623 | 6033 | 6859 | 7215 | 7153 | 7158 | 5734 | 6362 | 5922 | 4791 | 6020 | 6044 |
| 10 Regional Total Dedicated Resources | 15506 | 15054 | 14593 | 16211 | 18149 | 19019 | 19018 | 18828 | 16657 | 16164 | 15449 | 14055 | 15902 | 15897 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4766 | 4491 | 4549 | 5007 | 5750 | 6052 | 5957 | 5954 | 5636 | 4909 | 4743 | 4497 | 4702 | 4761 |
| 2 Total Generating Public Entities | 4766 | 4491 | 4549 | 5007 | 5750 | 6052 | 5957 | 5954 | 5636 | 4909 | 4743 | 4497 | 4702 | 4761 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5116 | 4949 | 4662 | 5330 | 5728 | 5913 | 6088 | 5904 | 5450 | 5058 | 4954 | 4755 | 5150 | 5321 |
| 4 Total Non-Generating Public Entities | 5116 | 4949 | 4662 | 5330 | 5728 | 5913 | 6088 | 5904 | 5450 | 5058 | 4954 | 4755 | 5150 | 5321 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5842 | 5842 | 5686 | 5922 | 6981 | 7218 | 7166 | 7124 | 5741 | 5724 | 5724 | 5036 | 5915 | 6027 |
| 6 Total Investor-owned Entities | 5842 | 5842 | 5686 | 5922 | 6981 | 7218 | 7166 | 7124 | 5741 | 5724 | 5724 | 5036 | 5915 | 6027 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4766 | 4491 | 4549 | 5007 | 5750 | 6052 | 5957 | 5954 | 5636 | 4909 | 4743 | 4497 | 4702 | 4761 |
| 8 Non Generating Entities | 5116 | 4949 | 4662 | 5330 | 5728 | 5913 | 6088 | 5904 | 5450 | 5058 | 4954 | 4755 | 5150 | 5321 |
| 9 Investor-Owned Entities | 5842 | 5842 | 5686 | 5922 | 6981 | 7218 | 7166 | 7124 | 5741 | 5724 | 5724 | 5036 | 5915 | 6027 |
| 10 Regional Total Dedicated Resources | 15724 | 15283 | 14896 | 16259 | 18458 | 19182 | 19211 | 18982 | 16827 | 15690 | 15421 | 14288 | 15767 | 16110 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 4792 | 4537 | 4545 | 5029 | 5868 | 6174 | 6275 | 6273 | 5961 | 5229 | 5063 | 4943 | 5143 | 5073 |
| 2 Total Generating Public Entities | 4792 | 4537 | 4545 | 5029 | 5868 | 6174 | 6275 | 6273 | 5961 | 5229 | 5063 | 4943 | 5143 | 5073 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5240 | 5086 | 4759 | 5414 | 5817 | 6006 | 6184 | 5997 | 5536 | 5136 | 5032 | 4908 | 5301 | 5399 |
| 4 Total Non-Generating Public Entities | 5240 | 5086 | 4759 | 5414 | 5817 | 6006 | 6184 | 5997 | 5536 | 5136 | 5032 | 4908 | 5301 | 5399 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5856 | 5856 | 5700 | 6063 | 6995 | 7105 | 7155 | 7113 | 5718 | 5922 | 5922 | 4801 | 5879 | 5916 |
| 6 Total Investor-owned Entities | 5856 | 5856 | 5700 | 6063 | 6995 | 7105 | 7155 | 7113 | 5718 | 5922 | 5922 | 4801 | 5879 | 5916 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 4792 | 4537 | 4545 | 5029 | 5868 | 6174 | 6275 | 6273 | 5961 | 5229 | 5063 | 4943 | 5143 | 5073 |
| 8 Non Generating Entities | 5240 | 5086 | 4759 | 5414 | 5817 | 6006 | 6184 | 5997 | 5536 | 5136 | 5032 | 4908 | 5301 | 5399 |
| 9 Investor-Owned Entities | 5856 | 5856 | 5700 | 6063 | 6995 | 7105 | 7155 | 7113 | 5718 | 5922 | 5922 | 4801 | 5879 | 5916 |
| 10 Regional Total Dedicated Resources | 15889 | 15479 | 15004 | 16506 | 18679 | 19285 | 19614 | 19384 | 17214 | 16287 | 16018 | 14652 | 16323 | 16388 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5143 | 4889 | 4897 | 5391 | 6116 | 6445 | 6346 | 6347 | 6016 | 5279 | 5114 | 4861 | 5104 | 5227 |
| 2 Total Generating Public Entities | 5143 | 4889 | 4897 | 5391 | 6116 | 6445 | 6346 | 6347 | 6016 | 5279 | 5114 | 4861 | 5104 | 5227 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5327 | 5173 | 4842 | 5486 | 5893 | 6084 | 6264 | 6076 | 5609 | 5202 | 5099 | 4894 | 5285 | 5464 |
| 4 Total Non-Generating Public Entities | 5327 | 5173 | 4842 | 5486 | 5893 | 6084 | 6264 | 6076 | 5609 | 5202 | 5099 | 4894 | 5285 | 5464 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5743 | 5743 | 5667 | 5903 | 6962 | 7099 | 6847 | 6805 | 5521 | 6146 | 5707 | 4893 | 5635 | 5724 |
| 6 Total Investor-owned Entities | 5743 | 5743 | 5667 | 5903 | 6962 | 7099 | 6847 | 6805 | 5521 | 6146 | 5707 | 4893 | 5635 | 5724 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5143 | 4889 | 4897 | 5391 | 6116 | 6445 | 6346 | 6347 | 6016 | 5279 | 5114 | 4861 | 5104 | 5227 |
| 8 Non Generating Entities | 5327 | 5173 | 4842 | 5486 | 5893 | 6084 | 6264 | 6076 | 5609 | 5202 | 5099 | 4894 | 5285 | 5464 |
| 9 Investor-Owned Entities | 5743 | 5743 | 5667 | 5903 | 6962 | 7099 | 6847 | 6805 | 5521 | 6146 | 5707 | 4893 | 5635 | 5724 |
| 10 Regional Total Dedicated Resources | 16213 | 15805 | 15406 | 16779 | 18971 | 19628 | 19457 | 19229 | 17146 | 16628 | 15919 | 14647 | 16024 | 16415 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5268 | 5015 | 5036 | 5511 | 6276 | 6565 | 6475 | 6514 | 6084 | 5349 | 5183 | 5295 | 5320 | 5257 |
| 2 Total Generating Public Entities | 5268 | 5015 | 5036 | 5511 | 6276 | 6565 | 6475 | 6514 | 6084 | 5349 | 5183 | 5295 | 5320 | 5257 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5385 | 5232 | 4898 | 5699 | 6110 | 6303 | 6503 | 6308 | 5834 | 5420 | 5317 | 5187 | 5573 | 5674 |
| 4 Total Non-Generating Public Entities | 5385 | 5232 | 4898 | 5699 | 6110 | 6303 | 6503 | 6308 | 5834 | 5420 | 5317 | 5187 | 5573 | 5674 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5553 | 5553 | 5500 | 5764 | 6520 | 6631 | 6579 | 6540 | 5310 | 4454 | 4454 | 5082 | 5755 | 5790 |
| 6 Total Investor-owned Entities | 5553 | 5553 | 5500 | 5764 | 6520 | 6631 | 6579 | 6540 | 5310 | 4454 | 4454 | 5082 | 5755 | 5790 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5268 | 5015 | 5036 | 5511 | 6276 | 6565 | 6475 | 6514 | 6084 | 5349 | 5183 | 5295 | 5320 | 5257 |
| 8 Non Generating Entities | 5385 | 5232 | 4898 | 5699 | 6110 | 6303 | 6503 | 6308 | 5834 | 5420 | 5317 | 5187 | 5573 | 5674 |
| 9 Investor-Owned Entities | 5553 | 5553 | 5500 | 5764 | 6520 | 6631 | 6579 | 6540 | 5310 | 4454 | 4454 | 5082 | 5755 | 5790 |
| 10 Regional Total Dedicated Resources | 16206 | 15800 | 15435 | 16974 | 18906 | 19499 | 19557 | 19362 | 17229 | 15224 | 14955 | 15565 | 16649 | 16721 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5343 | 5091 | 5066 | 5512 | 6281 | 6576 | 6486 | 6518 | 6145 | 5405 | 5239 | 5218 | 5237 | 5302 |
| 2 Total Generating Public Entities | 5343 | 5091 | 5066 | 5512 | 6281 | 6576 | 6486 | 6518 | 6145 | 5405 | 5239 | 5218 | 5237 | 5302 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5600 | 5447 | 5113 | 5741 | 6155 | 6348 | 6585 | 6393 | 5909 | 5488 | 5385 | 5176 | 5560 | 5741 |
| 4 Total Non-Generating Public Entities | 5600 | 5447 | 5113 | 5741 | 6155 | 6348 | 6585 | 6393 | 5909 | 5488 | 5385 | 5176 | 5560 | 5741 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5618 | 5618 | 5564 | 5970 | 6570 | 6554 | 6497 | 6585 | 5329 | 4696 | 4696 | 5389 | 5777 | 5812 |
| 6 Total Investor-owned Entities | 5618 | 5618 | 5564 | 5970 | 6570 | 6554 | 6497 | 6585 | 5329 | 4696 | 4696 | 5389 | 5777 | 5812 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5343 | 5091 | 5066 | 5512 | 6281 | 6576 | 6486 | 6518 | 6145 | 5405 | 5239 | 5218 | 5237 | 5302 |
| 8 Non Generating Entities | 5600 | 5447 | 5113 | 5741 | 6155 | 6348 | 6585 | 6393 | 5909 | 5488 | 5385 | 5176 | 5560 | 5741 |
| 9 Investor-Owned Entities | 5618 | 5618 | 5564 | 5970 | 6570 | 6554 | 6497 | 6585 | 5329 | 4696 | 4696 | 5389 | 5777 | 5812 |
| 10 Regional Total Dedicated Resources | 16561 | 16156 | 15743 | 17222 | 19006 | 19478 | 19568 | 19497 | 17383 | 15589 | 15320 | 15783 | 16573 | 16856 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5389 | 5137 | 5113 | 5570 | 6346 | 6646 | 6559 | 6591 | 6211 | 5465 | 5300 | 5402 | 5415 | 5362 |
| 2 Total Generating Public Entities | 5389 | 5137 | 5113 | 5570 | 6346 | 6646 | 6559 | 6591 | 6211 | 5465 | 5300 | 5402 | 5415 | 5362 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5665 | 5513 | 5177 | 5816 | 6235 | 6430 | 6666 | 6472 | 5981 | 5554 | 5451 | 5316 | 5697 | 5805 |
| 4 Total Non-Generating Public Entities | 5665 | 5513 | 5177 | 5816 | 6235 | 6430 | 6666 | 6472 | 5981 | 5554 | 5451 | 5316 | 5697 | 5805 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5638 | 5638 | 5583 | 5969 | 6569 | 6681 | 6628 | 6589 | 5333 | 5120 | 5120 | 5157 | 5747 | 5774 |
| 6 Total Investor-owned Entities | 5638 | 5638 | 5583 | 5969 | 6569 | 6681 | 6628 | 6589 | 5333 | 5120 | 5120 | 5157 | 5747 | 5774 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5389 | 5137 | 5113 | 5570 | 6346 | 6646 | 6559 | 6591 | 6211 | 5465 | 5300 | 5402 | 5415 | 5362 |
| 8 Non Generating Entities | 5665 | 5513 | 5177 | 5816 | 6235 | 6430 | 6666 | 6472 | 5981 | 5554 | 5451 | 5316 | 5697 | 5805 |
| 9 Investor-Owned Entities | 5638 | 5638 | 5583 | 5969 | 6569 | 6681 | 6628 | 6589 | 5333 | 5120 | 5120 | 5157 | 5747 | 5774 |
| 10 Regional Total Dedicated Resources | 16692 | 16289 | 15873 | 17354 | 19150 | 19756 | 19853 | 19652 | 17525 | 16140 | 15871 | 15875 | 16860 | 16941 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5448 | 5197 | 5173 | 5642 | 6425 | 6732 | 6641 | 6673 | 6283 | 5533 | 5367 | 5335 | 5342 | 5407 |
| 2 Total Generating Public Entities | 5448 | 5197 | 5173 | 5642 | 6425 | 6732 | 6641 | 6673 | 6283 | 5533 | 5367 | 5335 | 5342 | 5407 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5726 | 5574 | 5237 | 5886 | 6310 | 6507 | 6748 | 6551 | 6055 | 5621 | 5518 | 5302 | 5680 | 5869 |
| 4 Total Non-Generating Public Entities | 5726 | 5574 | 5237 | 5886 | 6310 | 6507 | 6748 | 6551 | 6055 | 5621 | 5518 | 5302 | 5680 | 5869 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5633 | 5633 | 5600 | 5986 | 6586 | 6675 | 6722 | 6683 | 5427 | 4571 | 4571 | 5538 | 5843 | 5880 |
| 6 Total Investor-owned Entities | 5633 | 5633 | 5600 | 5986 | 6586 | 6675 | 6722 | 6683 | 5427 | 4571 | 4571 | 5538 | 5843 | 5880 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5448 | 5197 | 5173 | 5642 | 6425 | 6732 | 6641 | 6673 | 6283 | 5533 | 5367 | 5335 | 5342 | 5407 |
| 8 Non Generating Entities | 5726 | 5574 | 5237 | 5886 | 6310 | 6507 | 6748 | 6551 | 6055 | 5621 | 5518 | 5302 | 5680 | 5869 |
| 9 Investor-Owned Entities | 5633 | 5633 | 5600 | 5986 | 6586 | 6675 | 6722 | 6683 | 5427 | 4571 | 4571 | 5538 | 5843 | 5880 |
| 10 Regional Total Dedicated Resources | 16807 | 16404 | 16011 | 17514 | 19322 | 19914 | 20111 | 19908 | 17765 | 15725 | 15456 | 16174 | 16866 | 17156 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5494 | 5243 | 5221 | 5704 | 6487 | 6801 | 6711 | 6752 | 6344 | 5588 | 5422 | 5512 | 5514 | 5450 |
| 2 Total Generating Public Entities | 5494 | 5243 | 5221 | 5704 | 6487 | 6801 | 6711 | 6752 | 6344 | 5588 | 5422 | 5512 | 5514 | 5450 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5788 | 5636 | 5297 | 5959 | 6389 | 6587 | 6834 | 6620 | 6131 | 5690 | 5587 | 5444 | 5821 | 5936 |
| 4 Total Non-Generating Public Entities | 5788 | 5636 | 5297 | 5959 | 6389 | 6587 | 6834 | 6620 | 6131 | 5690 | 5587 | 5444 | 5821 | 5936 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5738 | 5738 | 5705 | 6090 | 6690 | 6780 | 6726 | 6688 | 5431 | 4796 | 4796 | 5306 | 5899 | 5936 |
| 6 Total Investor-owned Entities | 5738 | 5738 | 5705 | 6090 | 6690 | 6780 | 6726 | 6688 | 5431 | 4796 | 4796 | 5306 | 5899 | 5936 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5494 | 5243 | 5221 | 5704 | 6487 | 6801 | 6711 | 6752 | 6344 | 5588 | 5422 | 5512 | 5514 | 5450 |
| 8 Non Generating Entities | 5788 | 5636 | 5297 | 5959 | 6389 | 6587 | 6834 | 6620 | 6131 | 5690 | 5587 | 5444 | 5821 | 5936 |
| 9 Investor-Owned Entities | 5738 | 5738 | 5705 | 6090 | 6690 | 6780 | 6726 | 6688 | 5431 | 4796 | 4796 | 5306 | 5899 | 5936 |
| 10 Regional Total Dedicated Resources | 17020 | 16617 | 16223 | 17753 | 19567 | 20167 | 20271 | 20060 | 17906 | 16074 | 15806 | 16261 | 17234 | 17321 |

Table A-27: Other Dedicated Resources
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity (MW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <i>-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 1 Generating Public Entities | 5537 | 5286 | 5266 | 5757 | 6546 | 6866 | 6778 | 6809 | 6401 | 5639 | 5474 | 5429 | 5425 | 5489 |
| 2 Total Generating Public Entities | 5537 | 5286 | 5266 | 5757 | 6546 | 6866 | 6778 | 6809 | 6401 | 5639 | 5474 | 5429 | 5425 | 5489 |
| <i>-Non-Generating Public Entities-</i> | | | | | | | | | | | | | | |
| 3 Small & Non Generating Public Entities | 5852 | 5700 | 5359 | 6024 | 6459 | 6658 | 6889 | 6687 | 6179 | 5735 | 5633 | 5408 | 5785 | 5980 |
| 4 Total Non-Generating Public Entities | 5852 | 5700 | 5359 | 6024 | 6459 | 6658 | 6889 | 6687 | 6179 | 5735 | 5633 | 5408 | 5785 | 5980 |
| <i>-Investor-Owned Entities-</i> | | | | | | | | | | | | | | |
| 5 Investor-Owned Entities | 5793 | 5793 | 5759 | 6144 | 6695 | 6784 | 6730 | 6692 | 5435 | 5221 | 5221 | 5547 | 5905 | 5942 |
| 6 Total Investor-owned Entities | 5793 | 5793 | 5759 | 6144 | 6695 | 6784 | 6730 | 6692 | 5435 | 5221 | 5221 | 5547 | 5905 | 5942 |
| <i>-Total Dedicated Resources-</i> | | | | | | | | | | | | | | |
| 7 Generating Public Entities | 5537 | 5286 | 5266 | 5757 | 6546 | 6866 | 6778 | 6809 | 6401 | 5639 | 5474 | 5429 | 5425 | 5489 |
| 8 Non Generating Entities | 5852 | 5700 | 5359 | 6024 | 6459 | 6658 | 6889 | 6687 | 6179 | 5735 | 5633 | 5408 | 5785 | 5980 |
| 9 Investor-Owned Entities | 5793 | 5793 | 5759 | 6144 | 6695 | 6784 | 6730 | 6692 | 5435 | 5221 | 5221 | 5547 | 5905 | 5942 |
| 10 Regional Total Dedicated Resources | 17182 | 16779 | 16384 | 17925 | 19699 | 20308 | 20396 | 20188 | 18015 | 16596 | 16327 | 16384 | 17115 | 17412 |

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Section 14
Monthly Federal System
Loads & Resources
120-Hour Capacity in Megawatts

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Monthly Federal System
Loads & Resources
120-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

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Loads and Resources - Federal System
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 247 | 247 | 189 | 233 | 242 | 227 | 256 | 241 | 228 | 212 | 212 | 203 | 224 | 217 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 467 | 474 | 395 | 269 | 242 | 228 | 256 | 242 | 256 | 439 | 475 | 491 | 484 | 486 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 3897 | 3897 | 3674 | 4274 | 4557 | 4731 | 5016 | 4820 | 4405 | 4108 | 4108 | 3922 | 3912 | 4101 |
| <i>GPU 2002 PSC</i> | 2370 | 2370 | 2515 | 2911 | 3429 | 3770 | 3811 | 3795 | 3500 | 2921 | 2921 | 2622 | 2316 | 2409 |
| <i>NGP 2002 Slice PSC</i> | 938 | 775 | 701 | 749 | 851 | 856 | 719 | 737 | 739 | 654 | 558 | 660 | 1034 | 920 |
| <i>GPU 2002 Slice PSC</i> | 1563 | 1290 | 1167 | 1247 | 1418 | 1425 | 1198 | 1227 | 1230 | 1090 | 930 | 1099 | 1722 | 1533 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1572 | 1572 | 1569 | 1546 | 1471 | 1488 | 1484 | 1484 | 1474 | 1478 | 1453 | 1517 | 1518 | 1530 |
| <i>Regional Transfers (Out)</i> | 730 | 730 | 759 | 775 | 999 | 1053 | 952 | 908 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -679 | -736 | -795 | -1197 | -1129 | -1149 | -1371 | -1346 | -1197 | -1141 | -1232 | -1113 | -901 | -809 |
| <i>Total Transfers Out</i> | 10391 | 9898 | 9590 | 10306 | 11597 | 12173 | 11809 | 11624 | 10942 | 9874 | 9501 | 9298 | 10246 | 10344 |
| <i>Total Firm Obligations</i> | 10858 | 10373 | 9985 | 10574 | 11839 | 12400 | 12065 | 11866 | 11198 | 10312 | 9976 | 9789 | 10730 | 10830 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20519 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4720 | -7164 | -8432 | -8140 | -7135 | -7525 | -9601 | -8912 | -8636 | -8645 | -9875 | -9296 | -5485 | -5661 |
| <i>Non-Fed CER (Canada)</i> | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 225 | 225 | 225 | 225 | 225 |
| <i>Total Hydro Resources</i> | 16354 | 13808 | 12888 | 13300 | 14507 | 13699 | 11532 | 12225 | 12302 | 11559 | 10129 | 11414 | 15985 | 15717 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 184 | 184 | 196 | 108 | 108 | 85 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1481 | 1481 | 1507 | 1472 | 1534 | 1559 | 1459 | 1414 | 1385 | 1387 | 1387 | 1312 | 1312 | 1323 |
| <i>Total Resources</i> | 17834 | 15289 | 14395 | 14772 | 16041 | 15258 | 12991 | 13640 | 13687 | 12946 | 11516 | 12726 | 17297 | 17040 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1042 | -1037 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -3.0 | -3.5 | -3.1 | -3.2 | -3.2 | -3.1 | -3.1 | -3.1 | -3.8 | -2.9 | -2.7 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -336 | -285 | -261 | -272 | -303 | -304 | -262 | -267 | -268 | -247 | -218 | -251 | -367 | -331 |
| <i>Federal Trans. Losses</i> | -436 | -370 | -340 | -352 | -395 | -397 | -338 | -344 | -345 | -317 | -279 | -319 | -471 | -425 |
| <i>Total Reserves, Maintenance & Losses</i> | -5253 | -4627 | -4599 | -4611 | -4650 | -3793 | -3228 | -3715 | -3739 | -3800 | -3466 | -3527 | -3710 | -4774 |
| <i>Total Net Resources</i> | 12582 | 10662 | 9796 | 10161 | 11391 | 11465 | 9763 | 9924 | 9948 | 9146 | 8050 | 9200 | 13587 | 12266 |
| <i>Total Firm Surplus/Deficit</i> | 1724 | 289 | -189 | -414 | -448 | -936 | -2303 | -1941 | -1250 | -1166 | -1926 | -589 | 2856 | 1436 |

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 266 | 266 | 199 | 257 | 268 | 249 | 285 | 267 | 251 | 233 | 233 | 220 | 248 | 239 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 486 | 493 | 405 | 293 | 269 | 250 | 285 | 267 | 279 | 459 | 495 | 508 | 508 | 508 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4008 | 4008 | 3778 | 4390 | 4679 | 4861 | 5146 | 4952 | 4519 | 4212 | 4212 | 4026 | 4017 | 4211 |
| <i>GPU 2002 PSC</i> | 2450 | 2450 | 2644 | 2929 | 3470 | 3776 | 3841 | 3825 | 3525 | 2938 | 2938 | 2651 | 2309 | 2417 |
| <i>NGP 2002 Slice PSC</i> | 947 | 786 | 701 | 750 | 853 | 857 | 719 | 739 | 740 | 663 | 569 | 597 | 978 | 954 |
| <i>GPU 2002 Slice PSC</i> | 1577 | 1308 | 1167 | 1249 | 1420 | 1427 | 1197 | 1230 | 1232 | 1104 | 947 | 995 | 1629 | 1589 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1533 | 1533 | 1526 | 1455 | 1404 | 1414 | 1411 | 1412 | 1405 | 1419 | 1419 | 1486 | 1487 | 1495 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -773 | -837 | -913 | -1419 | -1361 | -1182 | -1410 | -1385 | -1229 | -1170 | -1263 | -1141 | -926 | -830 |
| <i>Total Transfers Out</i> | 10346 | 9852 | 9538 | 10054 | 11381 | 12123 | 11850 | 11674 | 10982 | 9931 | 9586 | 9205 | 10139 | 10495 |
| <i>Total Firm Obligations</i> | 10832 | 10346 | 9943 | 10347 | 11649 | 12373 | 12135 | 11941 | 11261 | 10389 | 10081 | 9713 | 10647 | 11004 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20201 | 20085 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4607 | -7022 | -8427 | -8115 | -7110 | -7505 | -9601 | -8881 | -8618 | -8545 | -9753 | -9118 | -5224 | -5245 |
| <i>Non-Fed CER (Canada)</i> | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 236 | 236 | 236 | 236 | 236 |
| <i>Total Hydro Resources</i> | 16463 | 13947 | 12889 | 13322 | 14528 | 13716 | 11529 | 12254 | 12317 | 11671 | 10262 | 11603 | 16257 | 16145 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 10 | 10 | 33 | 33 | 33 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 32 | 41 | 32 | 32 | 32 | 32 | 32 | 32 | 49 | 32 | 29 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1307 | 1307 | 1343 | 1397 | 1459 | 1484 | 1459 | 1414 | 1385 | 1387 | 1387 | 162 | 152 | 1313 |
| <i>Total Resources</i> | 17771 | 15255 | 14233 | 14718 | 15988 | 15200 | 12988 | 13668 | 13702 | 13058 | 11649 | 11765 | 16409 | 17458 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1042 | -1037 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -3.0 | -3.5 | -3.1 | -3.2 | -3.2 | -3.1 | -3.1 | -3.1 | -3.8 | -2.9 | -2.7 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -338 | -288 | -261 | -272 | -304 | -305 | -262 | -268 | -269 | -250 | -221 | -221 | -339 | -342 |
| <i>Federal Trans. Losses</i> | -434 | -368 | -334 | -350 | -393 | -395 | -338 | -345 | -345 | -321 | -283 | -293 | -448 | -439 |
| <i>Total Reserves, Maintenance & Losses</i> | -5253 | -4630 | -4594 | -4610 | -4648 | -3792 | -3228 | -3717 | -3740 | -3806 | -3474 | -3299 | -3487 | -4798 |
| <i>Total Net Resources</i> | 12517 | 10625 | 9639 | 10108 | 11339 | 11408 | 9760 | 9951 | 9962 | 9252 | 8175 | 8466 | 12922 | 12660 |
| <i>Total Firm Surplus/Deficit</i> | 1685 | 279 | -303 | -239 | -310 | -965 | -2375 | -1990 | -1299 | -1138 | -1906 | -1247 | 2275 | 1656 |

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 302 | 302 | 218 | 259 | 270 | 251 | 287 | 269 | 253 | 234 | 234 | 221 | 249 | 241 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 522 | 529 | 423 | 295 | 270 | 252 | 287 | 269 | 281 | 461 | 497 | 509 | 510 | 510 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4119 | 4119 | 3881 | 4477 | 4771 | 4957 | 5246 | 5048 | 4608 | 4294 | 4294 | 4105 | 4093 | 4292 |
| <i>GPU 2002 PSC</i> | 2458 | 2458 | 2654 | 2960 | 3506 | 3817 | 3882 | 3866 | 3560 | 2969 | 2969 | 2677 | 2330 | 2437 |
| <i>NGP 2002 Slice PSC</i> | 960 | 808 | 695 | 747 | 850 | 853 | 715 | 736 | 736 | 659 | 565 | 671 | 1053 | 951 |
| <i>GPU 2002 Slice PSC</i> | 1599 | 1345 | 1157 | 1244 | 1415 | 1421 | 1190 | 1225 | 1226 | 1098 | 941 | 1118 | 1753 | 1584 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1601 | 1601 | 1596 | 1557 | 1505 | 1515 | 1512 | 1512 | 1506 | 1521 | 1521 | 1588 | 1566 | 1573 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -796 | -862 | -937 | -1449 | -1390 | -1207 | -1439 | -1414 | -1255 | -1193 | -1287 | -1164 | -943 | -846 |
| <i>Total Transfers Out</i> | 10546 | 10074 | 9681 | 10237 | 11573 | 12327 | 12051 | 11875 | 11172 | 10112 | 9766 | 9588 | 10496 | 10651 |
| <i>Total Firm Obligations</i> | 11068 | 10603 | 10104 | 10531 | 11844 | 12579 | 12338 | 12144 | 11454 | 10573 | 10263 | 10098 | 11006 | 11161 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4543 | -6847 | -8402 | -8104 | -7098 | -7495 | -9601 | -8869 | -8610 | -8536 | -9744 | -9105 | -5210 | -5229 |
| <i>Non-Fed CER (Canada)</i> | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 236 | 244 | 244 | 244 | 244 | 244 |
| <i>Total Hydro Resources</i> | 16749 | 14343 | 12926 | 13344 | 14551 | 13737 | 11540 | 12276 | 12336 | 11688 | 10279 | 11624 | 16279 | 16169 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 34 | 34 | 17 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1297 | 1297 | 1333 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18046 | 15641 | 14259 | 14751 | 16013 | 15231 | 13010 | 13702 | 13733 | 13085 | 11677 | 12931 | 17602 | 17506 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -2.9 | -2.9 | -2.1 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -345 | -298 | -261 | -273 | -304 | -305 | -262 | -269 | -269 | -250 | -222 | -256 | -374 | -343 |
| <i>Federal Trans. Losses</i> | -443 | -381 | -335 | -351 | -394 | -396 | -339 | -346 | -346 | -322 | -284 | -326 | -481 | -440 |
| <i>Total Reserves, Maintenance & Losses</i> | -5279 | -4662 | -4595 | -4613 | -4650 | -3795 | -3231 | -3720 | -3743 | -3809 | -3476 | -3538 | -3729 | -4802 |
| <i>Total Net Resources</i> | 12767 | 10979 | 9664 | 10138 | 11362 | 11437 | 9779 | 9982 | 9990 | 9276 | 8201 | 9392 | 13873 | 12704 |
| <i>Total Firm Surplus/Deficit</i> | 1699 | 376 | -440 | -393 | -482 | -1142 | -2559 | -2162 | -1464 | -1296 | -2062 | -705 | 2867 | 1543 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 304 | 304 | 219 | 260 | 272 | 253 | 289 | 271 | 255 | 236 | 236 | 223 | 251 | 243 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 524 | 531 | 425 | 296 | 272 | 253 | 289 | 271 | 283 | 462 | 498 | 511 | 511 | 512 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4200 | 4200 | 3958 | 4546 | 4844 | 5032 | 5326 | 5125 | 4678 | 4359 | 4359 | 4166 | 4152 | 4354 |
| <i>GPU 2002 PSC</i> | 2479 | 2479 | 2676 | 2996 | 3515 | 3848 | 3914 | 3899 | 3586 | 2991 | 2991 | 2695 | 2341 | 2463 |
| <i>NGP 2002 Slice PSC</i> | 966 | 814 | 700 | 750 | 852 | 856 | 716 | 738 | 739 | 661 | 567 | 596 | 977 | 954 |
| <i>GPU 2002 Slice PSC</i> | 1609 | 1355 | 1166 | 1248 | 1419 | 1425 | 1192 | 1229 | 1230 | 1100 | 943 | 993 | 1628 | 1588 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1571 | 1571 | 1566 | 1542 | 1499 | 1510 | 1507 | 1507 | 1500 | 1513 | 1513 | 1572 | 1573 | 1581 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 634 | 700 | 917 | 971 | 945 | 901 | 791 | 764 | 764 | 592 | 645 | 660 |
| <i>Federal Diversity</i> | -812 | -879 | -955 | -1471 | -1412 | -1227 | -1462 | -1437 | -1275 | -1211 | -1306 | -1180 | -956 | -858 |
| <i>Total Transfers Out</i> | 10616 | 10144 | 9746 | 10312 | 11634 | 12416 | 12137 | 11962 | 11249 | 10177 | 9830 | 9433 | 10360 | 10743 |
| <i>Total Firm Obligations</i> | 11140 | 10675 | 10171 | 10608 | 11907 | 12669 | 12426 | 12233 | 11532 | 10639 | 10329 | 9944 | 10872 | 11255 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 682 | 671 | 494 | 432 | 487 | 647 | 701 | 821 | 864 | 860 | 634 |
| <i>Operational Peaking Adj.</i> | -4528 | -6829 | -8390 | -8082 | -7075 | -7476 | -9601 | -8851 | -8593 | -8518 | -9725 | -9080 | -5183 | -5198 |
| <i>Non-Fed CER (Canada)</i> | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 244 | 242 | 242 | 242 | 242 | 242 |
| <i>Total Hydro Resources</i> | 16772 | 14369 | 12945 | 13374 | 14583 | 13764 | 11548 | 12302 | 12361 | 11703 | 10297 | 11648 | 16304 | 16198 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18088 | 15686 | 14314 | 14781 | 16044 | 15259 | 13018 | 13727 | 13758 | 13101 | 11694 | 11804 | 16477 | 17535 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1061 | -1071 | -1050 | -1045 | -1045 | -1035 | -999 | -989 | -1024 | -1062 | -1058 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -346 | -298 | -262 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -222 | -222 | -340 | -343 |
| <i>Federal Trans. Losses</i> | -444 | -382 | -337 | -352 | -395 | -397 | -339 | -347 | -347 | -322 | -285 | -295 | -450 | -441 |
| <i>Total Reserves, Maintenance & Losses</i> | -5282 | -4665 | -4600 | -4615 | -4652 | -3796 | -3231 | -3721 | -3744 | -3810 | -3477 | -3301 | -3492 | -4803 |
| <i>Total Net Resources</i> | 12806 | 11020 | 9714 | 10167 | 11392 | 11463 | 9787 | 10006 | 10014 | 9291 | 8217 | 8503 | 12985 | 12731 |
| <i>Total Firm Surplus/Deficit</i> | 1666 | 346 | -457 | -441 | -515 | -1207 | -2639 | -2227 | -1518 | -1348 | -2112 | -1441 | 2113 | 1477 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 306 | 306 | 221 | 262 | 274 | 255 | 291 | 273 | 257 | 238 | 238 | 225 | 253 | 244 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 526 | 533 | 426 | 299 | 274 | 256 | 291 | 274 | 285 | 464 | 500 | 513 | 513 | 514 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4256 | 4256 | 4013 | 4709 | 5016 | 5206 | 5518 | 5310 | 4859 | 4530 | 4530 | 4331 | 4312 | 4513 |
| <i>GPU 2002 PSC</i> | 2476 | 2476 | 2689 | 3042 | 3600 | 3893 | 3971 | 3992 | 3633 | 3042 | 3042 | 2981 | 2409 | 2521 |
| <i>NGP 2002 Slice PSC</i> | 968 | 816 | 702 | 750 | 852 | 856 | 714 | 738 | 738 | 660 | 566 | 673 | 1055 | 954 |
| <i>GPU 2002 Slice PSC</i> | 1612 | 1359 | 1169 | 1248 | 1420 | 1425 | 1189 | 1228 | 1230 | 1100 | 943 | 1121 | 1756 | 1589 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1581 | 1581 | 1576 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 605 | 605 | 59 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| <i>Federal Diversity</i> | -823 | -891 | -969 | -1497 | -1437 | -1249 | -1492 | -1465 | -1300 | -1233 | -1330 | -1250 | -973 | -873 |
| <i>Total Transfers Out</i> | 10675 | 10203 | 9239 | 9827 | 11196 | 11931 | 11673 | 11531 | 10778 | 9719 | 9371 | 9368 | 10124 | 10285 |
| <i>Total Firm Obligations</i> | 11201 | 10735 | 9665 | 10125 | 11470 | 12186 | 11964 | 11805 | 11063 | 10183 | 9871 | 9881 | 10637 | 10799 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 645 | 659 | 654 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4500 | -6795 | -8369 | -8062 | -7054 | -7459 | -9601 | -8837 | -8577 | -8502 | -9708 | -9056 | -5159 | -5170 |
| <i>Non-Fed CER (Canada)</i> | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 242 | 238 | 238 | 238 | 238 | 238 |
| <i>Total Hydro Resources</i> | 16798 | 14401 | 12964 | 13372 | 14584 | 13764 | 11528 | 12298 | 12360 | 11698 | 10293 | 11646 | 16303 | 16201 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18115 | 15718 | 14333 | 14779 | 16045 | 15259 | 12998 | 13723 | 13756 | 13096 | 11690 | 12953 | 17625 | 17537 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1053 | -1048 | -1055 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -299 | -263 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -222 | -256 | -375 | -344 |
| <i>Federal Trans. Losses</i> | -445 | -383 | -337 | -352 | -395 | -397 | -339 | -347 | -347 | -322 | -285 | -326 | -482 | -441 |
| <i>Total Reserves, Maintenance & Losses</i> | -5284 | -4667 | -4601 | -4614 | -4651 | -3795 | -3229 | -3720 | -3743 | -3809 | -3476 | -3539 | -3729 | -4803 |
| <i>Total Net Resources</i> | 12831 | 11051 | 9732 | 10165 | 11394 | 11463 | 9769 | 10003 | 10013 | 9287 | 8214 | 9414 | 13896 | 12735 |
| <i>Total Firm Surplus/Deficit</i> | 1630 | 315 | 67 | 40 | -77 | -723 | -2196 | -1802 | -1051 | -896 | -1657 | -467 | 3259 | 1936 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 307 | 307 | 223 | 263 | 274 | 256 | 292 | 275 | 259 | 239 | 239 | 226 | 254 | 246 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 528 | 535 | 428 | 299 | 275 | 256 | 293 | 275 | 287 | 466 | 502 | 514 | 514 | 515 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4421 | 4421 | 4178 | 4749 | 5060 | 5250 | 5596 | 5390 | 4927 | 4594 | 4594 | 4392 | 4370 | 4574 |
| <i>GPU 2002 PSC</i> | 2579 | 2579 | 2747 | 3069 | 3631 | 3929 | 4012 | 4023 | 3665 | 3069 | 3069 | 3003 | 2425 | 2537 |
| <i>NGP 2002 Slice PSC</i> | 968 | 817 | 702 | 751 | 854 | 857 | 714 | 738 | 739 | 661 | 567 | 597 | 979 | 956 |
| <i>GPU 2002 Slice PSC</i> | 1612 | 1361 | 1168 | 1250 | 1422 | 1427 | 1189 | 1230 | 1231 | 1101 | 945 | 995 | 1630 | 1592 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1419 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 53 | 68 |
| <i>Federal Diversity</i> | -840 | -909 | -986 | -1512 | -1453 | -1263 | -1515 | -1489 | -1320 | -1250 | -1349 | -1267 | -986 | -884 |
| <i>Total Transfers Out</i> | 10268 | 9795 | 9362 | 9882 | 11259 | 12000 | 11768 | 11621 | 10862 | 9794 | 9445 | 9231 | 9984 | 10356 |
| <i>Total Firm Obligations</i> | 10795 | 10330 | 9790 | 10181 | 11534 | 12256 | 12060 | 11896 | 11149 | 10260 | 9947 | 9746 | 10498 | 10871 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4475 | -6765 | -8349 | -8042 | -7033 | -7442 | -9601 | -8822 | -8562 | -8486 | -9690 | -9033 | -5135 | -5143 |
| <i>Non-Fed CER (Canada)</i> | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 238 | 234 | 234 | 234 | 234 | 234 |
| <i>Total Hydro Resources</i> | 16800 | 14409 | 12960 | 13388 | 14600 | 13777 | 11524 | 12308 | 12371 | 11710 | 10306 | 11665 | 16322 | 16224 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18117 | 15725 | 14329 | 14795 | 16062 | 15272 | 12994 | 13734 | 13767 | 13108 | 11704 | 11822 | 16495 | 17561 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -300 | -263 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -223 | -223 | -341 | -344 |
| <i>Federal Trans. Losses</i> | -445 | -383 | -337 | -353 | -395 | -398 | -338 | -347 | -347 | -322 | -285 | -295 | -451 | -442 |
| <i>Total Reserves, Maintenance & Losses</i> | -5283 | -4667 | -4600 | -4615 | -4652 | -3796 | -3229 | -3721 | -3744 | -3810 | -3477 | -3302 | -3492 | -4804 |
| <i>Total Net Resources</i> | 12834 | 11058 | 9729 | 10180 | 11409 | 11476 | 9765 | 10013 | 10023 | 9298 | 8226 | 8520 | 13003 | 12757 |
| <i>Total Firm Surplus/Deficit</i> | 2039 | 729 | -61 | -0.5 | -124 | -781 | -2295 | -1884 | -1126 | -962 | -1721 | -1225 | 2505 | 1886 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 309 | 309 | 224 | 264 | 276 | 257 | 294 | 277 | 261 | 241 | 241 | 228 | 256 | 248 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 529 | 536 | 430 | 300 | 276 | 257 | 295 | 277 | 289 | 467 | 503 | 516 | 516 | 517 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4481 | 4481 | 4236 | 4819 | 5135 | 5327 | 5678 | 5469 | 5000 | 4660 | 4660 | 4454 | 4431 | 4638 |
| <i>GPU 2002 PSC</i> | 2595 | 2595 | 2765 | 3121 | 3691 | 3995 | 4075 | 4086 | 3722 | 3120 | 3120 | 3048 | 2465 | 2576 |
| <i>NGP 2002 Slice PSC</i> | 970 | 819 | 703 | 750 | 853 | 856 | 713 | 738 | 739 | 661 | 567 | 675 | 1056 | 956 |
| <i>GPU 2002 Slice PSC</i> | 1615 | 1364 | 1170 | 1250 | 1421 | 1426 | 1188 | 1229 | 1231 | 1101 | 945 | 1124 | 1759 | 1592 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1511 | 1512 | 1513 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -851 | -921 | -999 | -1541 | -1481 | -1288 | -1544 | -1517 | -1345 | -1273 | -1374 | -1289 | -1003 | -900 |
| <i>Total Transfers Out</i> | 10337 | 9864 | 9429 | 9975 | 11365 | 12117 | 11883 | 11734 | 10965 | 9888 | 9537 | 9523 | 10238 | 10409 |
| <i>Total Firm Obligations</i> | 10866 | 10400 | 9858 | 10275 | 11641 | 12375 | 12177 | 12011 | 11254 | 10355 | 10041 | 10039 | 10754 | 10926 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4450 | -6735 | -8330 | -8042 | -7033 | -7442 | -9601 | -8822 | -8562 | -8486 | -9690 | -9033 | -5135 | -5143 |
| <i>Non-Fed CER (Canada)</i> | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 233 | 233 | 233 | 233 | 233 |
| <i>Total Hydro Resources</i> | 16822 | 14435 | 12975 | 13384 | 14596 | 13773 | 11520 | 12304 | 12367 | 11709 | 10305 | 11664 | 16321 | 16223 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1369 | 1407 | 1461 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18138 | 15752 | 14344 | 14791 | 16058 | 15268 | 12990 | 13730 | 13763 | 13107 | 11703 | 12971 | 17644 | 17560 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -300 | -264 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -223 | -257 | -375 | -344 |
| <i>Federal Trans. Losses</i> | -446 | -384 | -338 | -353 | -395 | -398 | -338 | -347 | -347 | -322 | -285 | -327 | -482 | -442 |
| <i>Total Reserves, Maintenance & Losses</i> | -5284 | -4668 | -4601 | -4615 | -4652 | -3796 | -3229 | -3721 | -3744 | -3809 | -3477 | -3540 | -3730 | -4804 |
| <i>Total Net Resources</i> | 12854 | 11083 | 9743 | 10176 | 11405 | 11472 | 9761 | 10009 | 10019 | 9297 | 8225 | 9431 | 13914 | 12756 |
| <i>Total Firm Surplus/Deficit</i> | 1988 | 683 | -115 | -99 | -236 | -903 | -2416 | -2003 | -1235 | -1058 | -1815 | -608 | 3160 | 1830 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 310 | 310 | 226 | 266 | 278 | 259 | 296 | 279 | 263 | 243 | 243 | 230 | 257 | 249 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 531 | 538 | 431 | 302 | 278 | 259 | 297 | 279 | 291 | 469 | 505 | 517 | 518 | 518 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4542 | 4542 | 4296 | 4889 | 5211 | 5404 | 5760 | 5549 | 5074 | 4727 | 4727 | 4517 | 4492 | 4702 |
| <i>GPU 2002 PSC</i> | 2634 | 2634 | 2805 | 3174 | 3750 | 4060 | 4141 | 4153 | 3779 | 3171 | 3171 | 3094 | 2505 | 2616 |
| <i>NGP 2002 Slice PSC</i> | 970 | 819 | 703 | 750 | 853 | 856 | 713 | 738 | 739 | 661 | 567 | 597 | 979 | 956 |
| <i>GPU 2002 Slice PSC</i> | 1615 | 1364 | 1170 | 1250 | 1421 | 1426 | 1188 | 1229 | 1231 | 1101 | 944 | 995 | 1630 | 1592 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1514 | 1514 | 1512 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1496 | 1496 | 1498 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -865 | -937 | -1017 | -1570 | -1509 | -1313 | -1573 | -1547 | -1371 | -1297 | -1399 | -1311 | -1021 | -915 |
| <i>Total Transfers Out</i> | 10423 | 9950 | 9511 | 10068 | 11471 | 12235 | 12001 | 11850 | 11070 | 9983 | 9631 | 9388 | 10099 | 10481 |
| <i>Total Firm Obligations</i> | 10954 | 10487 | 9942 | 10371 | 11749 | 12494 | 12298 | 12129 | 11360 | 10452 | 10136 | 9905 | 10616 | 11000 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4450 | -6735 | -8330 | -8042 | -7033 | -7442 | -9601 | -8822 | -8562 | -8486 | -9690 | -9033 | -5135 | -5143 |
| <i>Non-Fed CER (Canada)</i> | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 231 | 231 | 231 | 231 | 231 |
| <i>Total Hydro Resources</i> | 16821 | 14434 | 12974 | 13383 | 14595 | 13772 | 11519 | 12303 | 12366 | 11707 | 10303 | 11662 | 16319 | 16221 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18137 | 15751 | 14320 | 14767 | 16034 | 15267 | 12989 | 13729 | 13762 | 13105 | 11701 | 11819 | 16492 | 17558 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -300 | -264 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -223 | -223 | -341 | -344 |
| <i>Federal Trans. Losses</i> | -445 | -384 | -337 | -352 | -395 | -398 | -338 | -347 | -347 | -322 | -285 | -295 | -451 | -442 |
| <i>Total Reserves, Maintenance & Losses</i> | -5284 | -4668 | -4600 | -4614 | -4651 | -3796 | -3229 | -3721 | -3744 | -3809 | -3477 | -3302 | -3492 | -4804 |
| <i>Total Net Resources</i> | 12853 | 11082 | 9720 | 10153 | 11382 | 11471 | 9760 | 10008 | 10018 | 9295 | 8223 | 8517 | 13000 | 12754 |
| <i>Total Firm Surplus/Deficit</i> | 1899 | 595 | -222 | -217 | -367 | -1023 | -2537 | -2122 | -1342 | -1157 | -1912 | -1388 | 2384 | 1754 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 312 | 312 | 227 | 268 | 280 | 261 | 298 | 281 | 265 | 244 | 244 | 231 | 259 | 251 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 532 | 539 | 433 | 304 | 280 | 261 | 299 | 281 | 292 | 471 | 507 | 519 | 519 | 520 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4604 | 4604 | 4356 | 4963 | 5289 | 5485 | 5846 | 5618 | 5150 | 4797 | 4797 | 4582 | 4556 | 4769 |
| <i>GPU 2002 PSC</i> | 2675 | 2675 | 2848 | 3230 | 3812 | 4129 | 4212 | 4231 | 3840 | 3227 | 3227 | 3143 | 2548 | 2659 |
| <i>NGP 2002 Slice PSC</i> | 970 | 819 | 703 | 750 | 853 | 856 | 713 | 738 | 739 | 661 | 567 | 674 | 1055 | 955 |
| <i>GPU 2002 Slice PSC</i> | 1615 | 1364 | 1170 | 1249 | 1421 | 1426 | 1188 | 1229 | 1230 | 1100 | 944 | 1123 | 1758 | 1591 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1498 | 1498 | 1496 | 1466 | 1420 | 1421 | 1419 | 1420 | 1420 | 1448 | 1448 | 1434 | 1435 | 1436 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -880 | -953 | -1035 | -1600 | -1539 | -1339 | -1604 | -1575 | -1398 | -1321 | -1425 | -1335 | -1039 | -932 |
| <i>Total Transfers Out</i> | 10495 | 10020 | 9580 | 10167 | 11582 | 12358 | 12126 | 11970 | 11179 | 10082 | 9728 | 9622 | 10331 | 10512 |
| <i>Total Firm Obligations</i> | 11027 | 10559 | 10013 | 10471 | 11862 | 12619 | 12425 | 12251 | 11472 | 10553 | 10235 | 10141 | 10850 | 11032 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4450 | -6735 | -8330 | -8042 | -7033 | -7442 | -9601 | -8822 | -8562 | -8486 | -9690 | -9033 | -5135 | -5143 |
| <i>Non-Fed CER (Canada)</i> | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 231 | 225 | 225 | 225 | 225 | 225 |
| <i>Total Hydro Resources</i> | 16819 | 14432 | 12972 | 13381 | 14593 | 13770 | 11517 | 12301 | 12364 | 11701 | 10297 | 11656 | 16313 | 16215 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 1306 | 1323 | 1337 |
| <i>Total Resources</i> | 18135 | 15749 | 14318 | 14765 | 16032 | 15265 | 12987 | 13727 | 13760 | 13099 | 11695 | 12963 | 17636 | 17552 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -300 | -264 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -223 | -257 | -375 | -344 |
| <i>Federal Trans. Losses</i> | -445 | -384 | -337 | -352 | -394 | -398 | -338 | -347 | -347 | -322 | -285 | -327 | -482 | -442 |
| <i>Total Reserves, Maintenance & Losses</i> | -5284 | -4668 | -4600 | -4614 | -4651 | -3796 | -3229 | -3721 | -3744 | -3809 | -3477 | -3540 | -3730 | -4804 |
| <i>Total Net Resources</i> | 12851 | 11080 | 9718 | 10151 | 11380 | 11469 | 9758 | 10006 | 10017 | 9290 | 8218 | 9423 | 13906 | 12748 |
| <i>Total Firm Surplus/Deficit</i> | 1824 | 521 | -294 | -320 | -482 | -1150 | -2666 | -2245 | -1455 | -1263 | -2017 | -718 | 3056 | 1716 |

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| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Non-Utility Obligations | | | | | | | | | | | | | | |
| <i>Fed. Agencies 2002 PSC</i> | 314 | 314 | 229 | 270 | 282 | 263 | 300 | 283 | 267 | 246 | 246 | 233 | 260 | 253 |
| <i>USBR 2002 PSC</i> | 220 | 227 | 205 | 36 | 0.3 | 0.3 | 0.3 | 0.3 | 28 | 226 | 262 | 288 | 260 | 269 |
| <i>DSI 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Firm Non-Utility Obligations</i> | 534 | 541 | 434 | 306 | 282 | 263 | 301 | 283 | 294 | 472 | 508 | 521 | 521 | 522 |
| Transfers Out | | | | | | | | | | | | | | |
| <i>NGP 2002 PSC</i> | 4669 | 4669 | 4419 | 5029 | 5360 | 5557 | 5901 | 5685 | 5199 | 4842 | 4842 | 4624 | 4597 | 4813 |
| <i>GPU 2002 PSC</i> | 2719 | 2719 | 2893 | 3284 | 3871 | 4195 | 4279 | 4289 | 3897 | 3279 | 3279 | 3189 | 2589 | 2699 |
| <i>NGP 2002 Slice PSC</i> | 969 | 818 | 702 | 750 | 853 | 856 | 713 | 737 | 738 | 660 | 566 | 597 | 978 | 955 |
| <i>GPU 2002 Slice PSC</i> | 1614 | 1363 | 1169 | 1249 | 1420 | 1425 | 1187 | 1228 | 1230 | 1100 | 943 | 994 | 1629 | 1591 |
| <i>IOU 2002 PSC</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Exports</i> | 1437 | 1437 | 1435 | 1405 | 1404 | 1406 | 1404 | 1404 | 1404 | 1433 | 1433 | 1434 | 1435 | 1425 |
| <i>Regional Transfers (Out)</i> | 13 | 13 | 42 | 108 | 325 | 379 | 353 | 309 | 199 | 172 | 172 | 0.1 | 18 | 34 |
| <i>Federal Diversity</i> | -896 | -970 | -1055 | -1628 | -1566 | -1363 | -1628 | -1601 | -1419 | -1340 | -1446 | -1353 | -1053 | -944 |
| <i>Total Transfers Out</i> | 10524 | 10048 | 9606 | 10195 | 11667 | 12455 | 12208 | 12051 | 11248 | 10145 | 9789 | 9485 | 10192 | 10572 |
| <i>Total Firm Obligations</i> | 11058 | 10589 | 10040 | 10501 | 11949 | 12718 | 12508 | 12335 | 11543 | 10617 | 10298 | 10006 | 10713 | 11094 |
| Hydro Resources | | | | | | | | | | | | | | |
| <i>Regulated Hydro</i> | 20411 | 20296 | 20437 | 20530 | 20742 | 20502 | 20473 | 20422 | 20063 | 19278 | 18958 | 19621 | 20385 | 20520 |
| <i>Independent Hydro</i> | 626 | 640 | 634 | 662 | 653 | 479 | 414 | 470 | 632 | 684 | 804 | 843 | 839 | 613 |
| <i>Operational Peaking Adj.</i> | -4450 | -6735 | -8330 | -8042 | -7033 | -7442 | -9601 | -8822 | -8562 | -8486 | -9690 | -9033 | -5135 | -5143 |
| <i>Non-Fed CER (Canada)</i> | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 223 | 223 | 223 | 223 | 223 |
| <i>Total Hydro Resources</i> | 16813 | 14426 | 12966 | 13375 | 14587 | 13764 | 11511 | 12295 | 12358 | 11699 | 10295 | 11654 | 16311 | 16213 |
| Other Resources | | | | | | | | | | | | | | |
| <i>Small Thermal & Misc.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Combustion Turbines</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Renewables</i> | 25 | 25 | 25 | 27 | 29 | 30 | 32 | 31 | 30 | 29 | 29 | 27 | 26 | 24 |
| <i>Cogeneration</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Imports</i> | 89 | 89 | 118 | 154 | 207 | 261 | 235 | 191 | 163 | 166 | 166 | 76 | 94 | 110 |
| <i>Regional Transfers (In)</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal</i> | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 1150 | 0 | 0 | 1150 |
| <i>Non-Utility Generation</i> | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| <i>Augmentation Purchases</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Augmentation Resources</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Total Other Resources</i> | 1316 | 1316 | 1346 | 1384 | 1438 | 1495 | 1470 | 1425 | 1396 | 1398 | 1398 | 156 | 173 | 1337 |
| <i>Total Resources</i> | 18129 | 15743 | 14312 | 14759 | 16026 | 15259 | 12981 | 13721 | 13754 | 13097 | 11693 | 11811 | 16484 | 17550 |
| Reserves & Maintenance | | | | | | | | | | | | | | |
| <i>Hydro Reserves</i> | -1052 | -1047 | -1054 | -1060 | -1070 | -1049 | -1044 | -1045 | -1035 | -998 | -988 | -1023 | -1061 | -1057 |
| <i>Small Thermal & Misc. Reserves</i> | -3.9 | -3.9 | -3.9 | -4 | -4.1 | -4.2 | -4.2 | -4.2 | -4.2 | -4.1 | -4.1 | -4 | -3.9 | -3.8 |
| <i>Contract Reserves</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>Large Thermal Reserves</i> | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | -172 | 0 | 0 | -172 |
| <i>Federal Hydro Maint.</i> | -3263 | -2761 | -2770 | -2752 | -2705 | -1866 | -1408 | -1883 | -1915 | -2061 | -1805 | -1756 | -1635 | -2785 |
| <i>Spinning Reserves</i> | -347 | -300 | -264 | -274 | -305 | -306 | -262 | -269 | -270 | -251 | -223 | -223 | -341 | -344 |
| <i>Federal Trans. Losses</i> | -445 | -384 | -337 | -352 | -394 | -397 | -338 | -347 | -347 | -322 | -285 | -295 | -450 | -442 |
| <i>Total Reserves, Maintenance & Losses</i> | -5284 | -4668 | -4600 | -4613 | -4651 | -3796 | -3228 | -3720 | -3744 | -3809 | -3477 | -3301 | -3492 | -4804 |
| <i>Total Net Resources</i> | 12845 | 11074 | 9712 | 10145 | 11375 | 11463 | 9752 | 10000 | 10011 | 9288 | 8216 | 8509 | 12992 | 12746 |
| <i>Total Firm Surplus/Deficit</i> | 1787 | 486 | -328 | -356 | -574 | -1255 | -2756 | -2334 | -1532 | -1329 | -2082 | -1496 | 2279 | 1652 |

Section 15
Monthly Federal System 50-Water Year
Surplus/Deficit
120-Hour Capacity in Megawatts

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Monthly Federal System 50-Water Year
Surplus/Deficit
120-Hour Capacity in Megawatts

For OY 2008 – 2017

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2943 | -837 | -27 | -686 | -501 | -1154 | -694 | -2184 | -973 | -1416 | -2265 | -1046 | 4023 | 2044 |
| 1930 Federal Surplus/Deficit | 1013 | -155 | -222 | -307 | -358 | -822 | -2240 | -1046 | -1061 | -832 | -1595 | -1113 | 2776 | 2586 |
| 1931 Federal Surplus/Deficit | 1741 | 411 | -505 | -359 | -454 | -1213 | -2236 | -2198 | -1298 | -646 | -2454 | -1087 | 2735 | 2251 |
| 1932 Federal Surplus/Deficit | 1532 | 708 | 11 | -749 | -648 | -1195 | -2197 | -2359 | 260 | 2545 | 3317 | 5058 | 4736 | 3555 |
| 1933 Federal Surplus/Deficit | 1249 | 1693 | 534 | -416 | -974 | -371 | 2405 | 1216 | -218 | 416 | 1280 | 3986 | 4150 | 3061 |
| 1934 Federal Surplus/Deficit | 3090 | 2646 | 853 | 467 | 907 | 4472 | 2194 | 2649 | 2704 | 2475 | 3254 | 4815 | 2351 | 2797 |
| 1935 Federal Surplus/Deficit | 710 | -333 | -485 | -750 | -1026 | -1084 | 1768 | 2690 | -1187 | 31 | 1396 | 3292 | 4317 | 3480 |
| 1936 Federal Surplus/Deficit | 2601 | 7.5 | -28 | -571 | -572 | -979 | -1678 | -2034 | -1071 | -498 | 2787 | 5213 | 4538 | 2211 |
| 1937 Federal Surplus/Deficit | 1724 | 289 | -189 | -414 | -448 | -936 | -2303 | -1941 | -1250 | -1166 | -1926 | -589 | 2856 | 1436 |
| 1938 Federal Surplus/Deficit | 1398 | -49 | -239 | -338 | -902 | -811 | 1958 | -178 | 1762 | 1880 | 2743 | 5197 | 4875 | 3306 |
| 1939 Federal Surplus/Deficit | 646 | 41 | 521 | -240 | -573 | -935 | 214 | -1999 | -377 | 332 | 1295 | 4018 | 2372 | 2731 |
| 1940 Federal Surplus/Deficit | 2141 | 423 | -253 | -226 | -618 | -727 | -261 | -999 | 1874 | 753 | 2622 | 3576 | 3128 | 2042 |
| 1941 Federal Surplus/Deficit | 625 | -659 | -301 | -260 | -854 | -642 | 60 | -2020 | -1349 | -888 | -2004 | 1501 | 2941 | 1634 |
| 1942 Federal Surplus/Deficit | 568 | 228 | 482 | -578 | -969 | 1033 | 2051 | -253 | -1896 | -438 | 700 | 3433 | 4812 | 3959 |
| 1943 Federal Surplus/Deficit | 2847 | 1709 | -168 | -435 | -930 | -922 | 1646 | 1945 | 2618 | 2659 | 3260 | 5060 | 4861 | 3747 |
| 1944 Federal Surplus/Deficit | 2979 | 1042 | -63 | -602 | -655 | -985 | -133 | -2094 | -1849 | -1803 | -2897 | -1073 | 1350 | 1458 |
| 1945 Federal Surplus/Deficit | 643 | -235 | -111 | -629 | -554 | -1183 | -2122 | -1575 | -1427 | -1537 | -2441 | 3350 | 4862 | 2403 |
| 1946 Federal Surplus/Deficit | 843 | 272 | -296 | -690 | -701 | -881 | 896 | 211 | 2992 | 2444 | 3448 | 5228 | 4673 | 3818 |
| 1947 Federal Surplus/Deficit | 2909 | 1080 | 601 | -661 | -768 | 2607 | 2386 | 2550 | 3182 | 1197 | 1948 | 5049 | 4726 | 3870 |
| 1948 Federal Surplus/Deficit | 2140 | -259 | 265 | 2181 | 44 | 1485 | 3061 | 316 | 1620 | 857 | 3380 | 5361 | 5337 | 3763 |
| 1949 Federal Surplus/Deficit | 3223 | 3032 | 871 | -197 | -741 | -758 | 123 | -214 | 3364 | 1746 | 3524 | 5210 | 4725 | 1121 |
| 1950 Federal Surplus/Deficit | 643 | -832 | -603 | -506 | -791 | -1095 | 759 | 3017 | 3822 | 2872 | 3125 | 4935 | 4048 | 3449 |
| 1951 Federal Surplus/Deficit | 2769 | 1898 | 591 | 540 | 461 | 3393 | 2732 | 2741 | 2760 | 2938 | 3338 | 5224 | 4776 | 3800 |
| 1952 Federal Surplus/Deficit | 3249 | 1908 | 475 | 1525 | -698 | 1374 | 2127 | 1313 | 1332 | 3250 | 3635 | 5276 | 4990 | 3239 |
| 1953 Federal Surplus/Deficit | 2136 | -306 | 16 | -474 | -466 | -1141 | -94 | 1811 | -430 | -441 | 1149 | 4669 | 4707 | 3725 |
| 1954 Federal Surplus/Deficit | 2868 | 1423 | 362 | -275 | -710 | 321 | 1034 | 2733 | 1700 | 2076 | 2286 | 5152 | 4171 | 3242 |
| 1955 Federal Surplus/Deficit | 3799 | 3583 | 3263 | -39 | -426 | 566 | -14 | -1785 | -1589 | -378 | 705 | 3084 | 4130 | 2967 |
| 1956 Federal Surplus/Deficit | 3279 | 3104 | -80 | 143 | -44 | 3176 | 2671 | 1615 | 3601 | 3026 | 2818 | 5209 | 4117 | 3700 |
| 1957 Federal Surplus/Deficit | 3185 | 1750 | 407 | -11 | -788 | -149 | 1059 | -843 | 1297 | 2723 | 2818 | 5262 | 4492 | 3175 |
| 1958 Federal Surplus/Deficit | 1136 | -145 | 34 | -484 | -622 | -1025 | -8.6 | 1417 | 1732 | 963 | 3017 | 5223 | 4785 | 3050 |
| 1959 Federal Surplus/Deficit | 1137 | 549 | 238 | -530 | -485 | 1956 | 2693 | 2830 | 1844 | 2032 | 2014 | 4588 | 4441 | 3596 |
| 1960 Federal Surplus/Deficit | 3157 | 1482 | 3338 | 2759 | 1206 | 2786 | 2636 | -766 | 1232 | 2423 | 3506 | 4065 | 4702 | 3398 |
| 1961 Federal Surplus/Deficit | 2300 | -555 | 310 | -420 | -845 | -319 | 1296 | 2213 | 2122 | 2247 | 1548 | 4866 | 4268 | 3409 |
| 1962 Federal Surplus/Deficit | 1831 | 1100 | -180 | -464 | -571 | -997 | 975 | -573 | -1080 | 2713 | 3258 | 4602 | 4707 | 3692 |
| 1963 Federal Surplus/Deficit | 2394 | 975 | -14 | 176 | -275 | 2060 | 2207 | 310 | -791 | -58 | 129 | 4559 | 4933 | 3614 |
| 1964 Federal Surplus/Deficit | 2987 | 1202 | 565 | -677 | -657 | -780 | 658 | -548 | -1405 | 1044 | 1754 | 3910 | 4350 | 3281 |
| 1965 Federal Surplus/Deficit | 3226 | 2633 | 1178 | 774 | -604 | 3090 | 2668 | 3317 | 3197 | 1936 | 3452 | 5114 | 4863 | 3450 |
| 1966 Federal Surplus/Deficit | 3158 | 2010 | 518 | 59 | -704 | 110 | 2235 | -799 | -1261 | 2959 | 1904 | 3565 | 4335 | 3644 |
| 1967 Federal Surplus/Deficit | 3213 | 630 | -111 | -617 | -678 | -700 | 2818 | 3330 | 528 | 479 | -206 | 4127 | 4210 | 3659 |
| 1968 Federal Surplus/Deficit | 3315 | 1163 | 586 | -268 | -814 | -531 | 1559 | 2012 | 1433 | -1660 | -515 | 3385 | 4571 | 3952 |
| 1969 Federal Surplus/Deficit | 3311 | 2219 | 1820 | 731 | 74 | 1484 | 2871 | 2752 | 889 | 2974 | 3241 | 5233 | 4610 | 3814 |
| 1970 Federal Surplus/Deficit | 2375 | 294 | 174 | -324 | -540 | -835 | 1086 | 757 | -9.2 | -601 | 552 | 4454 | 4844 | 3292 |
| 1971 Federal Surplus/Deficit | 920 | -466 | -284 | -561 | -294 | -959 | 2369 | 2778 | 2592 | 2701 | 3495 | 5265 | 4363 | 3587 |
| 1972 Federal Surplus/Deficit | 3731 | 3206 | 837 | -90 | -706 | -79 | 2729 | 3333 | 2983 | 1994 | 2604 | 5228 | 4641 | 3252 |
| 1973 Federal Surplus/Deficit | 3826 | 3380 | 1476 | -14 | -728 | 288 | 1907 | -1785 | -1481 | -1928 | -2091 | 1276 | 2746 | 2134 |
| 1974 Federal Surplus/Deficit | 1163 | -745 | -706 | -663 | -953 | 1595 | 2321 | 2700 | 3820 | 2831 | 3184 | 5034 | 4607 | 2895 |
| 1975 Federal Surplus/Deficit | 3589 | 3273 | 683 | -674 | -623 | -843 | 1683 | 899 | 2395 | 254 | 1379 | 4669 | 4684 | 3452 |
| 1976 Federal Surplus/Deficit | 1640 | 1147 | 634 | 753 | 423 | 4154 | 2651 | 2766 | 1849 | 3118 | 3408 | 5259 | 4782 | 3459 |
| 1977 Federal Surplus/Deficit | 3609 | 3635 | 4112 | -175 | -673 | -981 | 71 | -2248 | -2160 | -1957 | -2912 | -760 | 1354 | 1069 |
| 1978 Federal Surplus/Deficit | 938 | 279 | -519 | -848 | -1009 | -809 | 1117 | 757 | 2063 | 2569 | 1415 | 4259 | 4417 | 3963 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2814 | 2053 | 1132 | 994 | 289 | 3320 | 2672 | 1935 | 2528 | 2688 | 3305 | 4974 | 4648 | 3561 |
| Middle Eighty Percent | 2199 | 996 | 393 | -243 | -622 | -59 | 1199 | 658 | 830 | 1091 | 1700 | 4280 | 4270 | 3166 |
| Bottom Ten Percent | 2080 | 150 | -201 | -474 | -483 | -1022 | -1521 | -1893 | -1286 | -1172 | -2227 | -981 | 2748 | 1955 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2888 | -933 | -141 | -529 | -364 | -1197 | -752 | -2234 | -1023 | -1387 | -2243 | -1833 | 3383 | 2240 |
| 1930 Federal Surplus/Deficit | 976 | -168 | -336 | -132 | -220 | -852 | -2312 | -1094 | -1110 | -806 | -1578 | -1900 | 2189 | 2724 |
| 1931 Federal Surplus/Deficit | 1699 | 396 | -619 | -184 | -316 | -1257 | -2309 | -2248 | -1348 | -621 | -2431 | -1874 | 2120 | 2329 |
| 1932 Federal Surplus/Deficit | 1491 | 690 | -102 | -574 | -511 | -1239 | -2270 | -2430 | 210 | 2554 | 3268 | 4299 | 3979 | 3621 |
| 1933 Federal Surplus/Deficit | 1213 | 1669 | 420 | -242 | -854 | -398 | 2352 | 1178 | -266 | 437 | 1284 | 3258 | 3401 | 3005 |
| 1934 Federal Surplus/Deficit | 3035 | 2607 | 739 | 642 | 1046 | 4433 | 2148 | 2618 | 2659 | 2450 | 3204 | 4060 | 1708 | 2861 |
| 1935 Federal Surplus/Deficit | 678 | -340 | -598 | -576 | -906 | -1127 | 1715 | 2654 | -1237 | 54 | 1401 | 2576 | 3650 | 3540 |
| 1936 Federal Surplus/Deficit | 2556 | 3.1 | -142 | -396 | -435 | -1008 | -1738 | -2084 | -1121 | -474 | 2733 | 4448 | 3856 | 2378 |
| 1937 Federal Surplus/Deficit | 1685 | 279 | -303 | -239 | -310 | -965 | -2375 | -1990 | -1299 | -1138 | -1906 | -1247 | 2275 | 1656 |
| 1938 Federal Surplus/Deficit | 1362 | -56 | -353 | -163 | -766 | -842 | 1904 | -224 | 1716 | 1892 | 2737 | 4433 | 4113 | 3404 |
| 1939 Federal Surplus/Deficit | 524 | 31 | 407 | -65 | -437 | -966 | 158 | -2049 | -426 | 352 | 1300 | 3286 | 1802 | 2856 |
| 1940 Federal Surplus/Deficit | 2098 | 412 | -367 | -51 | -481 | -756 | -318 | -1047 | 1829 | 772 | 2621 | 2854 | 2524 | 2218 |
| 1941 Federal Surplus/Deficit | 504 | -664 | -415 | -86 | -718 | -671 | 3.5 | -2072 | -1400 | -861 | -1982 | 817 | 2350 | 1851 |
| 1942 Federal Surplus/Deficit | 447 | 221 | 368 | -405 | -835 | 1010 | 1997 | -298 | -1948 | -416 | 706 | 2713 | 4051 | 3980 |
| 1943 Federal Surplus/Deficit | 2795 | 1684 | -282 | -261 | -795 | -955 | 1590 | 1901 | 2572 | 2631 | 3208 | 4297 | 4099 | 3681 |
| 1944 Federal Surplus/Deficit | 2926 | 1027 | -178 | -429 | -520 | -1016 | -190 | -2146 | -1900 | -1773 | -2874 | -1860 | 834 | 1694 |
| 1945 Federal Surplus/Deficit | 522 | -243 | -225 | -454 | -417 | -1227 | -2194 | -1625 | -1478 | -1508 | -2419 | 2633 | 4101 | 2577 |
| 1946 Federal Surplus/Deficit | 810 | 262 | -410 | -533 | -565 | -914 | 839 | 167 | 2946 | 2453 | 3434 | 4448 | 3914 | 3856 |
| 1947 Federal Surplus/Deficit | 2856 | 1063 | 487 | -504 | -633 | 2586 | 2331 | 2508 | 3136 | 1214 | 1949 | 4273 | 4025 | 3899 |
| 1948 Federal Surplus/Deficit | 2100 | -265 | 151 | 2359 | 182 | 1466 | 3007 | 270 | 1575 | 876 | 3369 | 4580 | 4588 | 3700 |
| 1949 Federal Surplus/Deficit | 3164 | 2980 | 757 | -24 | -606 | -788 | 67 | -260 | 3316 | 1759 | 3473 | 4431 | 3965 | 1286 |
| 1950 Federal Surplus/Deficit | 522 | -946 | -717 | -332 | -655 | -1131 | 703 | 2976 | 3773 | 2879 | 3116 | 4180 | 3301 | 3389 |
| 1951 Federal Surplus/Deficit | 2723 | 1874 | 476 | 715 | 599 | 3373 | 2680 | 2707 | 2714 | 2908 | 3287 | 4444 | 4015 | 3735 |
| 1952 Federal Surplus/Deficit | 3190 | 1882 | 361 | 1702 | -563 | 1353 | 2072 | 1271 | 1287 | 3218 | 3580 | 4496 | 4228 | 3348 |
| 1953 Federal Surplus/Deficit | 2095 | -311 | -99 | -300 | -328 | -1173 | -153 | 1768 | -479 | -416 | 1156 | 3922 | 3950 | 3664 |
| 1954 Federal Surplus/Deficit | 2816 | 1404 | 248 | -101 | -574 | 297 | 978 | 2693 | 1656 | 2088 | 2283 | 4389 | 3418 | 3184 |
| 1955 Federal Surplus/Deficit | 3681 | 3508 | 3150 | 135 | -289 | 545 | -70 | -1833 | -1639 | -352 | 715 | 2372 | 3382 | 2910 |
| 1956 Federal Surplus/Deficit | 3220 | 3050 | -195 | 318 | 94 | 3156 | 2620 | 1571 | 3552 | 2995 | 2771 | 4430 | 3369 | 3636 |
| 1957 Federal Surplus/Deficit | 3127 | 1727 | 292 | 163 | -652 | -176 | 1004 | -893 | 1249 | 2732 | 2811 | 4482 | 3739 | 3277 |
| 1958 Federal Surplus/Deficit | 1100 | -153 | -80 | -311 | -485 | -1069 | -66 | 1374 | 1689 | 981 | 3007 | 4443 | 4027 | 3163 |
| 1959 Federal Surplus/Deficit | 1101 | 537 | 124 | -356 | -349 | 1936 | 2642 | 2789 | 1799 | 2045 | 2016 | 3840 | 3687 | 3535 |
| 1960 Federal Surplus/Deficit | 3100 | 1461 | 3225 | 2937 | 1345 | 2767 | 2584 | -814 | 1188 | 2401 | 3456 | 3335 | 3944 | 3468 |
| 1961 Federal Surplus/Deficit | 2259 | -560 | 196 | -245 | -710 | -344 | 1242 | 2172 | 2078 | 2261 | 1553 | 4112 | 3519 | 3474 |
| 1962 Federal Surplus/Deficit | 1788 | 1079 | -294 | -290 | -435 | -1028 | 919 | -620 | -1129 | 2721 | 3211 | 3856 | 4015 | 3743 |
| 1963 Federal Surplus/Deficit | 2350 | 960 | -128 | 350 | -138 | 2041 | 2154 | 261 | -839 | -33 | 143 | 3816 | 4196 | 3673 |
| 1964 Federal Surplus/Deficit | 2931 | 1184 | 451 | -520 | -521 | -810 | 603 | -591 | -1455 | 1060 | 1757 | 3179 | 3599 | 3222 |
| 1965 Federal Surplus/Deficit | 3166 | 2592 | 1064 | 950 | -467 | 3069 | 2617 | 3272 | 3150 | 1948 | 3398 | 4338 | 4100 | 3546 |
| 1966 Federal Surplus/Deficit | 3102 | 1983 | 404 | 234 | -568 | 86 | 2181 | -845 | -1312 | 2967 | 1909 | 2844 | 3663 | 3688 |
| 1967 Federal Surplus/Deficit | 3153 | 614 | -225 | -443 | -542 | -730 | 2765 | 3290 | 481 | 501 | -192 | 3390 | 3459 | 3596 |
| 1968 Federal Surplus/Deficit | 3253 | 1145 | 472 | -94 | -679 | -559 | 1504 | 1970 | 1388 | -1632 | -526 | 2666 | 3813 | 3885 |
| 1969 Federal Surplus/Deficit | 3249 | 2187 | 1706 | 907 | 212 | 1465 | 2819 | 2712 | 842 | 2945 | 3191 | 4454 | 3855 | 3853 |
| 1970 Federal Surplus/Deficit | 2328 | 281 | 60 | -150 | -403 | -864 | 1028 | 712 | -56 | -575 | 564 | 3708 | 4082 | 3402 |
| 1971 Federal Surplus/Deficit | 885 | -475 | -398 | -387 | -157 | -991 | 2312 | 2745 | 2547 | 2708 | 3481 | 4485 | 3613 | 3527 |
| 1972 Federal Surplus/Deficit | 3654 | 3147 | 723 | 84 | -570 | -104 | 2675 | 3292 | 2941 | 1970 | 2601 | 4448 | 3933 | 3195 |
| 1973 Federal Surplus/Deficit | 3713 | 3316 | 1362 | 160 | -593 | 264 | 1852 | -1836 | -1532 | -1898 | -2068 | 594 | 2161 | 2307 |
| 1974 Federal Surplus/Deficit | 1125 | -755 | -823 | -489 | -833 | 1574 | 2274 | 2669 | 3771 | 2802 | 3134 | 4247 | 3885 | 2837 |
| 1975 Federal Surplus/Deficit | 3519 | 3213 | 570 | -516 | -487 | -874 | 1627 | 857 | 2350 | 276 | 1383 | 3921 | 3925 | 3391 |
| 1976 Federal Surplus/Deficit | 1605 | 1132 | 520 | 928 | 561 | 4126 | 2600 | 2726 | 1803 | 3088 | 3396 | 4478 | 4021 | 3399 |
| 1977 Federal Surplus/Deficit | 3491 | 3524 | 4000 | 0.2 | -537 | -1011 | 15 | -2298 | -2222 | -2002 | -2981 | -1449 | 582 | 1026 |
| 1978 Federal Surplus/Deficit | 900 | 267 | -633 | -691 | -874 | -842 | 1060 | 711 | 2018 | 2578 | 1419 | 3518 | 3743 | 3894 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2769 | 1849 | 1398 | 1287 | 450 | 2960 | 2660 | 2121 | 1939 | 2658 | 3346 | 4210 | 3987 | 3600 |
| Middle Eighty Percent | 2136 | 992 | 231 | -85 | -490 | -46 | 1138 | 585 | 850 | 1101 | 1678 | 3532 | 3535 | 3192 |
| Bottom Ten Percent | 2035 | 120 | -315 | -303 | -346 | -1057 | -1588 | -1942 | -1336 | -1145 | -2206 | -1742 | 2160 | 2129 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2865 | -788 | -277 | -692 | -536 | -1381 | -929 | -2407 | -1188 | -1545 | -2400 | -1301 | 3971 | 2125 |
| 1930 Federal Surplus/Deficit | 1043 | -56 | -472 | -286 | -391 | -1029 | -2496 | -1267 | -1275 | -965 | -1735 | -1368 | 2782 | 2609 |
| 1931 Federal Surplus/Deficit | 1704 | 480 | -755 | -338 | -488 | -1441 | -2492 | -2421 | -1513 | -779 | -2587 | -1342 | 2715 | 2216 |
| 1932 Federal Surplus/Deficit | 1407 | 629 | -237 | -728 | -683 | -1423 | -2454 | -2611 | 44 | 2395 | 3115 | 4835 | 4568 | 3503 |
| 1933 Federal Surplus/Deficit | 1272 | 1681 | 284 | -396 | -1034 | -574 | 2178 | 1010 | -430 | 278 | 1129 | 3797 | 3994 | 2893 |
| 1934 Federal Surplus/Deficit | 2989 | 2572 | 603 | 489 | 875 | 4251 | 1975 | 2452 | 2496 | 2295 | 3050 | 4597 | 2302 | 2747 |
| 1935 Federal Surplus/Deficit | 634 | -348 | -734 | -730 | -1086 | -1311 | 1540 | 2486 | -1402 | -105 | 1248 | 3117 | 4238 | 3423 |
| 1936 Federal Surplus/Deficit | 2498 | 52 | -277 | -550 | -607 | -1185 | -1916 | -2257 | -1286 | -633 | 2576 | 4983 | 4444 | 2264 |
| 1937 Federal Surplus/Deficit | 1699 | 376 | -440 | -393 | -482 | -1142 | -2559 | -2162 | -1464 | -1296 | -2062 | -705 | 2867 | 1543 |
| 1938 Federal Surplus/Deficit | 1332 | -50 | -489 | -317 | -939 | -1020 | 1729 | -395 | 1553 | 1733 | 2581 | 4968 | 4699 | 3287 |
| 1939 Federal Surplus/Deficit | 568 | 200 | 271 | -220 | -609 | -1144 | -18 | -2223 | -591 | 194 | 1145 | 3825 | 2396 | 2741 |
| 1940 Federal Surplus/Deficit | 2034 | 398 | -503 | -205 | -653 | -932 | -495 | -1219 | 1666 | 613 | 2467 | 3393 | 3117 | 2105 |
| 1941 Federal Surplus/Deficit | 346 | -623 | -552 | -241 | -891 | -847 | -173 | -2246 | -1565 | -1020 | -2138 | 1360 | 2942 | 1738 |
| 1942 Federal Surplus/Deficit | 454 | 368 | 231 | -560 | -1009 | 836 | 1822 | -468 | -2114 | -576 | 550 | 3253 | 4637 | 3861 |
| 1943 Federal Surplus/Deficit | 2770 | 1720 | -419 | -416 | -969 | -1134 | 1414 | 1729 | 2407 | 2475 | 3053 | 4833 | 4686 | 3563 |
| 1944 Federal Surplus/Deficit | 2902 | 1146 | -316 | -584 | -693 | -1194 | -366 | -2319 | -2067 | -1933 | -3031 | -1328 | 1429 | 1581 |
| 1945 Federal Surplus/Deficit | 543 | -118 | -361 | -609 | -589 | -1411 | -2378 | -1799 | -1644 | -1667 | -2576 | 3172 | 4688 | 2461 |
| 1946 Federal Surplus/Deficit | 899 | 384 | -548 | -695 | -738 | -1092 | 662 | -3.8 | 2782 | 2295 | 3278 | 4983 | 4502 | 3738 |
| 1947 Federal Surplus/Deficit | 2831 | 1171 | 350 | -666 | -806 | 2412 | 2156 | 2337 | 2972 | 1057 | 1794 | 4809 | 4612 | 3780 |
| 1948 Federal Surplus/Deficit | 2124 | -68 | 15 | 2207 | 10 | 1293 | 2832 | 98 | 1412 | 718 | 3214 | 5114 | 5173 | 3584 |
| 1949 Federal Surplus/Deficit | 3117 | 2937 | 621 | -178 | -779 | -966 | -109 | -432 | 3151 | 1600 | 3318 | 4966 | 4553 | 1172 |
| 1950 Federal Surplus/Deficit | 549 | -1035 | -854 | -487 | -828 | -1310 | 527 | 2806 | 3608 | 2720 | 2961 | 4716 | 3895 | 3274 |
| 1951 Federal Surplus/Deficit | 2714 | 1928 | 340 | 561 | 427 | 3199 | 2506 | 2540 | 2550 | 2750 | 3133 | 4979 | 4602 | 3618 |
| 1952 Federal Surplus/Deficit | 3140 | 1938 | 224 | 1548 | -736 | 1180 | 1897 | 1101 | 1125 | 3058 | 3424 | 5031 | 4814 | 3231 |
| 1953 Federal Surplus/Deficit | 2122 | -110 | -236 | -455 | -500 | -1351 | -331 | 1597 | -644 | -574 | 1001 | 4460 | 4540 | 3547 |
| 1954 Federal Surplus/Deficit | 2797 | 1494 | 111 | -255 | -747 | 122 | 803 | 2523 | 1493 | 1929 | 2127 | 4925 | 4010 | 3071 |
| 1955 Federal Surplus/Deficit | 3516 | 3402 | 3018 | -19 | -461 | 372 | -246 | -2006 | -1804 | -511 | 560 | 2912 | 3976 | 2798 |
| 1956 Federal Surplus/Deficit | 3166 | 2988 | -332 | 164 | -79 | 2983 | 2446 | 1400 | 3387 | 2838 | 2619 | 4966 | 3961 | 3519 |
| 1957 Federal Surplus/Deficit | 3082 | 1797 | 155 | 8.2 | -826 | -352 | 829 | -1065 | 1084 | 2573 | 2656 | 5016 | 4330 | 3160 |
| 1958 Federal Surplus/Deficit | 1184 | 30 | -216 | -466 | -658 | -1253 | -242 | 1203 | 1526 | 823 | 2852 | 4977 | 4615 | 3046 |
| 1959 Federal Surplus/Deficit | 1187 | 688 | -12 | -511 | -522 | 1763 | 2468 | 2619 | 1636 | 1887 | 1863 | 4377 | 4278 | 3420 |
| 1960 Federal Surplus/Deficit | 3054 | 1545 | 3092 | 2784 | 1173 | 2594 | 2409 | -987 | 1024 | 2248 | 3303 | 3874 | 4532 | 3351 |
| 1961 Federal Surplus/Deficit | 2270 | -385 | 60 | -400 | -883 | -520 | 1067 | 2002 | 1915 | 2103 | 1400 | 4649 | 4111 | 3357 |
| 1962 Federal Surplus/Deficit | 1756 | 1085 | -430 | -444 | -607 | -1206 | 743 | -793 | -1294 | 2562 | 3058 | 4394 | 4602 | 3625 |
| 1963 Federal Surplus/Deficit | 2360 | 1064 | -264 | 195 | -311 | 1868 | 1979 | 88 | -1004 | -191 | -11 | 4353 | 4782 | 3555 |
| 1964 Federal Surplus/Deficit | 2900 | 1284 | 315 | -682 | -694 | -987 | 427 | -762 | -1621 | 901 | 1602 | 3718 | 4190 | 3108 |
| 1965 Federal Surplus/Deficit | 3119 | 2592 | 928 | 796 | -639 | 2895 | 2444 | 3101 | 2985 | 1790 | 3242 | 4874 | 4687 | 3428 |
| 1966 Federal Surplus/Deficit | 3064 | 2039 | 267 | 80 | -741 | -89 | 2007 | -1016 | -1478 | 2810 | 1756 | 3384 | 4252 | 3571 |
| 1967 Federal Surplus/Deficit | 3060 | 643 | -361 | -598 | -715 | -907 | 2590 | 3120 | 317 | 344 | -345 | 3929 | 4051 | 3480 |
| 1968 Federal Surplus/Deficit | 3196 | 1234 | 337 | -249 | -853 | -735 | 1329 | 1800 | 1225 | -1791 | -679 | 3206 | 4402 | 3767 |
| 1969 Federal Surplus/Deficit | 3190 | 2215 | 1571 | 754 | 40 | 1293 | 2645 | 2542 | 678 | 2788 | 3037 | 4990 | 4445 | 3734 |
| 1970 Federal Surplus/Deficit | 2341 | 424 | -76 | -305 | -575 | -1041 | 851 | 540 | -221 | -733 | 410 | 4245 | 4669 | 3284 |
| 1971 Federal Surplus/Deficit | 984 | -272 | -536 | -542 | -330 | -1169 | 2136 | 2579 | 2382 | 2549 | 3327 | 5021 | 4205 | 3411 |
| 1972 Federal Surplus/Deficit | 3559 | 3089 | 587 | -71 | -743 | -280 | 2500 | 3122 | 2780 | 1817 | 2446 | 4983 | 4522 | 3082 |
| 1973 Federal Surplus/Deficit | 3547 | 3239 | 1226 | 5.9 | -766 | 88 | 1676 | -2009 | -1698 | -2056 | -2224 | 1137 | 2754 | 2193 |
| 1974 Federal Surplus/Deficit | 1139 | -662 | -978 | -643 | -1014 | 1401 | 2102 | 2503 | 3605 | 2645 | 2980 | 4779 | 4474 | 2725 |
| 1975 Federal Surplus/Deficit | 3441 | 3149 | 434 | -679 | -659 | -1052 | 1452 | 686 | 2186 | 118 | 1229 | 4458 | 4513 | 3277 |
| 1976 Federal Surplus/Deficit | 1678 | 1259 | 384 | 774 | 390 | 3949 | 2425 | 2556 | 1639 | 2930 | 3241 | 5013 | 4607 | 3285 |
| 1977 Federal Surplus/Deficit | 3334 | 3361 | 3870 | -154 | -709 | -1189 | -161 | -2472 | -2393 | -2167 | -3144 | -904 | 1164 | 916 |
| 1978 Federal Surplus/Deficit | 823 | 236 | -768 | -853 | -1048 | -1022 | 883 | 539 | 1855 | 2421 | 1265 | 4056 | 4330 | 3775 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2751 | 1908 | 1263 | 1134 | 278 | 2786 | 2486 | 1951 | 1775 | 2501 | 3191 | 4746 | 4575 | 3483 |
| Middle Eighty Percent | 2108 | 1041 | 95 | -241 | -663 | -223 | 962 | 414 | 686 | 943 | 1523 | 4070 | 4125 | 3076 |
| Bottom Ten Percent | 2043 | 232 | -452 | -458 | -518 | -1237 | -1768 | -2115 | -1501 | -1304 | -2363 | -1209 | 2753 | 2015 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2829 | -817 | -293 | -756 | -570 | -1460 | -994 | -2472 | -1243 | -1598 | -2450 | -2055 | 3210 | 2057 |
| 1930 Federal Surplus/Deficit | 1009 | -86 | -489 | -334 | -424 | -1094 | -2576 | -1331 | -1329 | -1017 | -1786 | -2122 | 2030 | 2540 |
| 1931 Federal Surplus/Deficit | 1671 | 449 | -771 | -386 | -521 | -1520 | -2572 | -2486 | -1568 | -833 | -2638 | -2096 | 1965 | 2150 |
| 1932 Federal Surplus/Deficit | 1375 | 600 | -253 | -776 | -717 | -1502 | -2534 | -2689 | -12 | 2342 | 3072 | 4089 | 3807 | 3428 |
| 1933 Federal Surplus/Deficit | 1238 | 1649 | 268 | -445 | -1085 | -638 | 2117 | 952 | -483 | 226 | 1081 | 3058 | 3241 | 2830 |
| 1934 Federal Surplus/Deficit | 2953 | 2538 | 587 | 441 | 843 | 4175 | 1916 | 2398 | 2446 | 2251 | 3005 | 3852 | 1553 | 2678 |
| 1935 Federal Surplus/Deficit | 601 | -378 | -751 | -778 | -1137 | -1390 | 1479 | 2430 | -1457 | -158 | 1203 | 2381 | 3477 | 3349 |
| 1936 Federal Surplus/Deficit | 2463 | 22 | -294 | -599 | -640 | -1250 | -1984 | -2322 | -1341 | -686 | 2525 | 4235 | 3682 | 2196 |
| 1937 Federal Surplus/Deficit | 1666 | 346 | -457 | -441 | -515 | -1207 | -2639 | -2227 | -1518 | -1348 | -2112 | -1441 | 2113 | 1477 |
| 1938 Federal Surplus/Deficit | 1299 | -79 | -505 | -365 | -975 | -1088 | 1666 | -457 | 1501 | 1680 | 2533 | 4222 | 3934 | 3213 |
| 1939 Federal Surplus/Deficit | 534 | 169 | 254 | -269 | -643 | -1211 | -82 | -2288 | -647 | 140 | 1096 | 3086 | 1645 | 2671 |
| 1940 Federal Surplus/Deficit | 2001 | 368 | -520 | -253 | -687 | -997 | -561 | -1285 | 1614 | 559 | 2422 | 2654 | 2363 | 2039 |
| 1941 Federal Surplus/Deficit | 313 | -653 | -569 | -290 | -926 | -913 | -238 | -2312 | -1622 | -1073 | -2187 | 628 | 2187 | 1671 |
| 1942 Federal Surplus/Deficit | 421 | 338 | 214 | -610 | -1046 | 775 | 1759 | -530 | -2172 | -632 | 500 | 2515 | 3872 | 3782 |
| 1943 Federal Surplus/Deficit | 2735 | 1687 | -436 | -465 | -1005 | -1204 | 1348 | 1667 | 2354 | 2428 | 3006 | 4087 | 3922 | 3487 |
| 1944 Federal Surplus/Deficit | 2865 | 1114 | -333 | -635 | -728 | -1261 | -431 | -2385 | -2124 | -1987 | -3083 | -2082 | 678 | 1514 |
| 1945 Federal Surplus/Deficit | 510 | -148 | -378 | -658 | -623 | -1490 | -2458 | -1865 | -1699 | -1720 | -2627 | 2432 | 3922 | 2391 |
| 1946 Federal Surplus/Deficit | 865 | 353 | -565 | -746 | -773 | -1161 | 596 | -66 | 2730 | 2243 | 3229 | 4236 | 3740 | 3661 |
| 1947 Federal Surplus/Deficit | 2795 | 1139 | 333 | -731 | -842 | 2353 | 2091 | 2276 | 2921 | 1006 | 1748 | 4062 | 3847 | 3703 |
| 1948 Federal Surplus/Deficit | 2090 | -98 | -2.3 | 2162 | -24 | 1236 | 2770 | 34 | 1361 | 667 | 3167 | 4366 | 4404 | 3511 |
| 1949 Federal Surplus/Deficit | 3080 | 2902 | 604 | -228 | -815 | -1032 | -173 | -495 | 3098 | 1547 | 3272 | 4218 | 3789 | 1106 |
| 1950 Federal Surplus/Deficit | 516 | -1065 | -872 | -537 | -864 | -1379 | 462 | 2746 | 3554 | 2669 | 2914 | 3972 | 3143 | 3204 |
| 1951 Federal Surplus/Deficit | 2678 | 1895 | 323 | 512 | 392 | 3141 | 2445 | 2484 | 2499 | 2700 | 3088 | 4232 | 3838 | 3543 |
| 1952 Federal Surplus/Deficit | 3103 | 1906 | 207 | 1502 | -773 | 1122 | 1834 | 1041 | 1077 | 3004 | 3374 | 4284 | 4048 | 3157 |
| 1953 Federal Surplus/Deficit | 2088 | -140 | -252 | -504 | -534 | -1418 | -399 | 1536 | -699 | -626 | 954 | 3717 | 3780 | 3475 |
| 1954 Federal Surplus/Deficit | 2761 | 1462 | 94 | -304 | -782 | 61 | 739 | 2464 | 1444 | 1877 | 2080 | 4178 | 3256 | 3004 |
| 1955 Federal Surplus/Deficit | 3478 | 3363 | 3003 | -68 | -495 | 313 | -311 | -2070 | -1859 | -563 | 513 | 2174 | 3223 | 2735 |
| 1956 Federal Surplus/Deficit | 3128 | 2952 | -349 | 116 | -113 | 2924 | 2386 | 1339 | 3333 | 2787 | 2578 | 4220 | 3209 | 3447 |
| 1957 Federal Surplus/Deficit | 3045 | 1765 | 138 | -41 | -862 | -416 | 765 | -1130 | 1031 | 2520 | 2609 | 4267 | 3571 | 3087 |
| 1958 Federal Surplus/Deficit | 1150 | -0.6 | -233 | -516 | -693 | -1332 | -308 | 1142 | 1477 | 772 | 2803 | 4229 | 3853 | 2973 |
| 1959 Federal Surplus/Deficit | 1153 | 657 | -29 | -561 | -558 | 1706 | 2407 | 2560 | 1586 | 1837 | 1819 | 3635 | 3520 | 3350 |
| 1960 Federal Surplus/Deficit | 3017 | 1513 | 3077 | 2737 | 1139 | 2537 | 2347 | -1051 | 973 | 2206 | 3258 | 3136 | 3770 | 3278 |
| 1961 Federal Surplus/Deficit | 2235 | -415 | 43 | -449 | -919 | -582 | 1005 | 1942 | 1865 | 2054 | 1355 | 3906 | 3356 | 3283 |
| 1962 Federal Surplus/Deficit | 1722 | 1054 | -447 | -494 | -642 | -1274 | 679 | -857 | -1349 | 2509 | 3015 | 3652 | 3837 | 3549 |
| 1963 Federal Surplus/Deficit | 2325 | 1033 | -281 | 146 | -346 | 1811 | 1917 | 22 | -1059 | -243 | -56 | 3610 | 4015 | 3479 |
| 1964 Federal Surplus/Deficit | 2864 | 1253 | 299 | -747 | -729 | -1053 | 364 | -822 | -1676 | 846 | 1557 | 2978 | 3435 | 3041 |
| 1965 Federal Surplus/Deficit | 3082 | 2558 | 911 | 750 | -674 | 2835 | 2383 | 3038 | 2932 | 1739 | 3194 | 4126 | 3922 | 3352 |
| 1966 Federal Surplus/Deficit | 3028 | 2006 | 249 | 31 | -776 | -150 | 1945 | -1079 | -1534 | 2760 | 1712 | 2647 | 3491 | 3497 |
| 1967 Federal Surplus/Deficit | 3024 | 612 | -378 | -647 | -750 | -973 | 2529 | 3061 | 265 | 294 | -389 | 3189 | 3296 | 3410 |
| 1968 Federal Surplus/Deficit | 3159 | 1203 | 320 | -298 | -889 | -800 | 1266 | 1738 | 1175 | -1845 | -723 | 2469 | 3640 | 3692 |
| 1969 Federal Surplus/Deficit | 3153 | 2182 | 1555 | 706 | 5.9 | 1236 | 2584 | 2483 | 626 | 2739 | 2993 | 4243 | 3686 | 3657 |
| 1970 Federal Surplus/Deficit | 2306 | 393 | -93 | -354 | -610 | -1107 | 785 | 477 | -274 | -786 | 364 | 3501 | 3904 | 3209 |
| 1971 Federal Surplus/Deficit | 950 | -302 | -554 | -592 | -364 | -1238 | 2070 | 2524 | 2329 | 2496 | 3280 | 4273 | 3448 | 3339 |
| 1972 Federal Surplus/Deficit | 3519 | 3053 | 571 | -121 | -780 | -344 | 2437 | 3062 | 2733 | 1774 | 2400 | 4236 | 3762 | 3014 |
| 1973 Federal Surplus/Deficit | 3508 | 3202 | 1210 | -43 | -802 | 26 | 1613 | -2076 | -1754 | -2110 | -2272 | 403 | 2002 | 2126 |
| 1974 Federal Surplus/Deficit | 1106 | -692 | -1003 | -693 | -1064 | 1341 | 2043 | 2449 | 3550 | 2597 | 2937 | 4025 | 3715 | 2663 |
| 1975 Federal Surplus/Deficit | 3403 | 3113 | 418 | -743 | -693 | -1120 | 1388 | 625 | 2135 | 66 | 1183 | 3715 | 3752 | 3209 |
| 1976 Federal Surplus/Deficit | 1643 | 1227 | 367 | 725 | 356 | 3884 | 2364 | 2497 | 1586 | 2879 | 3193 | 4265 | 3842 | 3216 |
| 1977 Federal Surplus/Deficit | 3297 | 3323 | 3856 | -204 | -745 | -1255 | -225 | -2538 | -2460 | -2232 | -3207 | -1631 | 390 | 854 |
| 1978 Federal Surplus/Deficit | 791 | 207 | -784 | -917 | -1084 | -1093 | 816 | 476 | 1804 | 2371 | 1219 | 3314 | 3566 | 3697 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2715 | 1875 | 1247 | 1086 | 244 | 2727 | 2425 | 1890 | 1723 | 2452 | 3145 | 4000 | 3811 | 3409 |
| Middle Eighty Percent | 2073 | 1009 | 78 | -291 | -699 | -289 | 898 | 352 | 632 | 891 | 1477 | 3327 | 3365 | 3005 |
| Bottom Ten Percent | 2008 | 201 | -469 | -510 | -552 | -1309 | -1842 | -2180 | -1556 | -1357 | -2414 | -1959 | 1999 | 1947 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2789 | -845 | 231 | -286 | -133 | -993 | -541 | -2049 | -777 | -1147 | -1996 | -1098 | 4351 | 2513 |
| 1930 Federal Surplus/Deficit | 974 | -116 | 36 | 151 | 14 | -615 | -2133 | -905 | -863 | -569 | -1335 | -1165 | 3178 | 2996 |
| 1931 Federal Surplus/Deficit | 1635 | 419 | -247 | 101 | -85 | -1052 | -2127 | -2061 | -1101 | -382 | -2183 | -1139 | 3115 | 2609 |
| 1932 Federal Surplus/Deficit | 1341 | 571 | 274 | -289 | -278 | -1020 | -2090 | -2275 | 453 | 2794 | 3533 | 5053 | 4946 | 3879 |
| 1933 Federal Surplus/Deficit | 1201 | 1616 | 792 | 37 | -659 | -155 | 2579 | 1382 | -16 | 677 | 1537 | 4031 | 4388 | 3292 |
| 1934 Federal Surplus/Deficit | 2913 | 2501 | 1111 | 923 | 1280 | 4649 | 2379 | 2832 | 2915 | 2711 | 3466 | 4818 | 2703 | 3134 |
| 1935 Federal Surplus/Deficit | 567 | -407 | -226 | -287 | -707 | -918 | 1940 | 2862 | -990 | 295 | 1665 | 3355 | 4616 | 3803 |
| 1936 Federal Surplus/Deficit | 2426 | -8.2 | 231 | -110 | -197 | -767 | -1528 | -1899 | -875 | -235 | 2978 | 5200 | 4821 | 2654 |
| 1937 Federal Surplus/Deficit | 1630 | 315 | 67 | 40 | -77 | -723 | -2196 | -1802 | -1051 | -896 | -1657 | -467 | 3259 | 1936 |
| 1938 Federal Surplus/Deficit | 1264 | -108 | 19 | 118 | -539 | -607 | 2126 | -29 | 1969 | 2131 | 2989 | 5187 | 5071 | 3665 |
| 1939 Federal Surplus/Deficit | 497 | 138 | 779 | 216 | -206 | -733 | 373 | -1865 | -182 | 589 | 1549 | 4057 | 2794 | 3127 |
| 1940 Federal Surplus/Deficit | 1965 | 338 | 4.2 | 232 | -252 | -515 | -104 | -861 | 2082 | 1008 | 2878 | 3625 | 3510 | 2497 |
| 1941 Federal Surplus/Deficit | 278 | -682 | -45 | 196 | -491 | -430 | 219 | -1889 | -1158 | -620 | -1730 | 1605 | 3333 | 2129 |
| 1942 Federal Surplus/Deficit | 385 | 307 | 738 | -125 | -610 | 1263 | 2217 | -104 | -1707 | -182 | 956 | 3487 | 5008 | 4231 |
| 1943 Federal Surplus/Deficit | 2695 | 1653 | 87 | 19 | -570 | -724 | 1806 | 2092 | 2820 | 2886 | 3465 | 5053 | 5060 | 3939 |
| 1944 Federal Surplus/Deficit | 2823 | 1081 | 189 | -153 | -294 | -784 | 24 | -1964 | -1658 | -1537 | -2630 | -1125 | 1829 | 1972 |
| 1945 Federal Surplus/Deficit | 475 | -178 | 147 | -173 | -184 | -1020 | -2017 | -1440 | -1235 | -1269 | -2174 | 3403 | 5060 | 2847 |
| 1946 Federal Surplus/Deficit | 829 | 322 | -41 | -264 | -340 | -685 | 1049 | 359 | 3195 | 2695 | 3684 | 5201 | 4881 | 4110 |
| 1947 Federal Surplus/Deficit | 2755 | 1106 | 857 | -262 | -407 | 2838 | 2546 | 2703 | 3387 | 1458 | 2205 | 5029 | 4984 | 4152 |
| 1948 Federal Surplus/Deficit | 2053 | -129 | 521 | 2649 | 414 | 1722 | 3226 | 457 | 1829 | 1117 | 3622 | 5331 | 5538 | 3964 |
| 1949 Federal Surplus/Deficit | 3037 | 2861 | 1128 | 257 | -378 | -554 | 282 | -70 | 3563 | 1996 | 3727 | 5185 | 4928 | 1564 |
| 1950 Federal Surplus/Deficit | 480 | -1096 | -349 | -51 | -428 | -902 | 917 | 3174 | 4017 | 3123 | 3373 | 4940 | 4294 | 3661 |
| 1951 Federal Surplus/Deficit | 2638 | 1861 | 846 | 993 | 827 | 3626 | 2904 | 2915 | 2965 | 3153 | 3547 | 5199 | 4975 | 3996 |
| 1952 Federal Surplus/Deficit | 3061 | 1871 | 731 | 1986 | -340 | 1609 | 2289 | 1467 | 1546 | 3454 | 3828 | 5251 | 5186 | 3609 |
| 1953 Federal Surplus/Deficit | 2051 | -171 | 272 | -19 | -95 | -940 | 54 | 1962 | -236 | -176 | 1409 | 4685 | 4922 | 3928 |
| 1954 Federal Surplus/Deficit | 2721 | 1429 | 618 | 180 | -344 | 545 | 1197 | 2893 | 1914 | 2329 | 2537 | 5144 | 4401 | 3461 |
| 1955 Federal Surplus/Deficit | 3432 | 3316 | 3532 | 418 | -56 | 799 | 146 | -1646 | -1394 | -114 | 968 | 3147 | 4372 | 3198 |
| 1956 Federal Surplus/Deficit | 3086 | 2911 | 175 | 602 | 324 | 3409 | 2844 | 1764 | 3797 | 3242 | 3042 | 5187 | 4358 | 3901 |
| 1957 Federal Surplus/Deficit | 3003 | 1730 | 662 | 443 | -426 | 64 | 1221 | -708 | 1495 | 2971 | 3065 | 5233 | 4715 | 3540 |
| 1958 Federal Surplus/Deficit | 1114 | -32 | 290 | -32 | -254 | -864 | 146 | 1566 | 1947 | 1224 | 3257 | 5193 | 4992 | 3427 |
| 1959 Federal Surplus/Deficit | 1117 | 625 | 495 | -77 | -121 | 2194 | 2869 | 2988 | 2055 | 2290 | 2279 | 4604 | 4664 | 3805 |
| 1960 Federal Surplus/Deficit | 2976 | 1479 | 3604 | 3225 | 1577 | 3024 | 2806 | -627 | 1441 | 2663 | 3714 | 4107 | 4909 | 3731 |
| 1961 Federal Surplus/Deficit | 2198 | -446 | 568 | 38 | -484 | -97 | 1464 | 2372 | 2336 | 2509 | 1816 | 4872 | 4501 | 3736 |
| 1962 Federal Surplus/Deficit | 1686 | 1022 | 77 | -5.4 | -203 | -792 | 1137 | -433 | -884 | 2958 | 3474 | 4622 | 4973 | 4000 |
| 1963 Federal Surplus/Deficit | 2287 | 1001 | 243 | 629 | 89 | 2298 | 2376 | 445 | -591 | 209 | 401 | 4579 | 5154 | 3929 |
| 1964 Federal Surplus/Deficit | 2824 | 1220 | 823 | -278 | -290 | -569 | 822 | -395 | -1212 | 1294 | 2012 | 3950 | 4582 | 3501 |
| 1965 Federal Surplus/Deficit | 3040 | 2520 | 1436 | 1236 | -237 | 3319 | 2843 | 3462 | 3398 | 2193 | 3651 | 5092 | 5059 | 3804 |
| 1966 Federal Surplus/Deficit | 2987 | 1971 | 772 | 511 | -342 | 334 | 2402 | -656 | -1071 | 3211 | 2169 | 3621 | 4632 | 3949 |
| 1967 Federal Surplus/Deficit | 2984 | 582 | 147 | -163 | -311 | -492 | 2991 | 3489 | 733 | 750 | 73 | 4160 | 4443 | 3866 |
| 1968 Federal Surplus/Deficit | 3117 | 1171 | 845 | 184 | -454 | -320 | 1721 | 2163 | 1642 | -1396 | -266 | 3443 | 4782 | 4145 |
| 1969 Federal Surplus/Deficit | 3111 | 2145 | 2081 | 1190 | 441 | 1723 | 3042 | 2909 | 1091 | 3193 | 3452 | 5211 | 4829 | 4107 |
| 1970 Federal Surplus/Deficit | 2269 | 363 | 432 | 136 | -166 | -623 | 1242 | 904 | 195 | -333 | 824 | 4467 | 5040 | 3661 |
| 1971 Federal Surplus/Deficit | 914 | -332 | -32 | -109 | 73 | -761 | 2524 | 2953 | 2796 | 2945 | 3734 | 5240 | 4594 | 3793 |
| 1972 Federal Surplus/Deficit | 3473 | 3010 | 1095 | 363 | -345 | 138 | 2893 | 3489 | 3205 | 2237 | 2860 | 5204 | 4905 | 3471 |
| 1973 Federal Surplus/Deficit | 3462 | 3158 | 1735 | 443 | -367 | 511 | 2072 | -1652 | -1290 | -1658 | -1815 | 1379 | 3149 | 2583 |
| 1974 Federal Surplus/Deficit | 1071 | -722 | -495 | -208 | -641 | 1826 | 2502 | 2881 | 4013 | 3054 | 3399 | 4985 | 4859 | 3126 |
| 1975 Federal Surplus/Deficit | 3357 | 3070 | 942 | -275 | -257 | -641 | 1847 | 1051 | 2604 | 519 | 1641 | 4683 | 4892 | 3668 |
| 1976 Federal Surplus/Deficit | 1606 | 1193 | 891 | 1209 | 793 | 4363 | 2824 | 2922 | 2051 | 3334 | 3651 | 5229 | 4979 | 3673 |
| 1977 Federal Surplus/Deficit | 3255 | 3277 | 4386 | 279 | -312 | -777 | 230 | -2117 | -2004 | -1792 | -2765 | -649 | 1520 | 1316 |
| 1978 Federal Surplus/Deficit | 758 | 178 | -260 | -447 | -647 | -618 | 1269 | 899 | 2273 | 2824 | 1678 | 4285 | 4704 | 4146 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2674 | 1840 | 1772 | 1571 | 680 | 3211 | 2884 | 2316 | 2189 | 2907 | 3603 | 4968 | 4950 | 3862 |
| Middle Eighty Percent | 2035 | 975 | 602 | 192 | -263 | 192 | 1354 | 778 | 1098 | 1343 | 1934 | 4296 | 4507 | 3460 |
| Bottom Ten Percent | 1970 | 171 | 55 | -29 | -115 | -833 | -1394 | -1756 | -1090 | -906 | -1960 | -999 | 3146 | 2405 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 3192 | -430 | 104 | -340 | -181 | -1063 | -628 | -2132 | -852 | -1213 | -2060 | -1874 | 3590 | 2461 |
| 1930 Federal Surplus/Deficit | 1381 | 296 | -91 | 111 | -33 | -674 | -2233 | -987 | -938 | -635 | -1400 | -1941 | 2425 | 2944 |
| 1931 Federal Surplus/Deficit | 2042 | 831 | -374 | 61 | -133 | -1122 | -2227 | -2144 | -1177 | -449 | -2248 | -1915 | 2365 | 2559 |
| 1932 Federal Surplus/Deficit | 1749 | 984 | 149 | -330 | -326 | -1080 | -2190 | -2368 | 376 | 2727 | 3475 | 4285 | 4186 | 3821 |
| 1933 Federal Surplus/Deficit | 1608 | 2025 | 664 | -3.5 | -710 | -212 | 2495 | 1306 | -89 | 611 | 1475 | 3269 | 3635 | 3244 |
| 1934 Federal Surplus/Deficit | 3315 | 2907 | 983 | 883 | 1233 | 4580 | 2297 | 2759 | 2844 | 2652 | 3406 | 4051 | 1953 | 3082 |
| 1935 Federal Surplus/Deficit | 984 | 15 | -344 | -328 | -769 | -988 | 1856 | 2787 | -1065 | 227 | 1606 | 2596 | 3856 | 3746 |
| 1936 Federal Surplus/Deficit | 2832 | 406 | 108 | -151 | -244 | -825 | -1617 | -1982 | -950 | -303 | 2913 | 4430 | 4059 | 2602 |
| 1937 Federal Surplus/Deficit | 2039 | 729 | -61 | -0.5 | -124 | -781 | -2295 | -1884 | -1126 | -962 | -1721 | -1225 | 2505 | 1886 |
| 1938 Federal Surplus/Deficit | 1672 | 306 | -107 | 77 | -589 | -667 | 2042 | -110 | 1897 | 2065 | 2927 | 4418 | 4307 | 3608 |
| 1939 Federal Surplus/Deficit | 904 | 549 | 653 | 175 | -254 | -792 | 287 | -1947 | -258 | 522 | 1486 | 3294 | 2042 | 3073 |
| 1940 Federal Surplus/Deficit | 2371 | 751 | -121 | 191 | -300 | -573 | -192 | -943 | 2009 | 940 | 2818 | 2863 | 2756 | 2447 |
| 1941 Federal Surplus/Deficit | 686 | -269 | -172 | 155 | -540 | -488 | 133 | -1972 | -1234 | -687 | -1794 | 849 | 2578 | 2078 |
| 1942 Federal Surplus/Deficit | 793 | 719 | 611 | -168 | -661 | 1209 | 2133 | -183 | -1785 | -251 | 891 | 2725 | 4243 | 4170 |
| 1943 Federal Surplus/Deficit | 3098 | 2062 | -38 | -22 | -620 | -786 | 1719 | 2012 | 2746 | 2824 | 3404 | 4284 | 4297 | 3880 |
| 1944 Federal Surplus/Deficit | 3225 | 1490 | 60 | -195 | -344 | -844 | -63 | -2047 | -1735 | -1605 | -2696 | -1900 | 1077 | 1922 |
| 1945 Federal Surplus/Deficit | 882 | 235 | 22 | -214 | -232 | -1091 | -2117 | -1523 | -1311 | -1336 | -2239 | 2639 | 4296 | 2793 |
| 1946 Federal Surplus/Deficit | 1236 | 734 | -168 | -306 | -389 | -746 | 961 | 279 | 3122 | 2629 | 3621 | 4431 | 4120 | 4051 |
| 1947 Federal Surplus/Deficit | 3158 | 1516 | 732 | -316 | -457 | 2785 | 2461 | 2623 | 3316 | 1393 | 2144 | 4260 | 4220 | 4092 |
| 1948 Federal Surplus/Deficit | 2458 | 282 | 394 | 2612 | 366 | 1671 | 3141 | 375 | 1758 | 1051 | 3560 | 4561 | 4771 | 3908 |
| 1949 Federal Surplus/Deficit | 3440 | 3265 | 1002 | 216 | -428 | -614 | 196 | -150 | 3488 | 1929 | 3666 | 4415 | 4166 | 1514 |
| 1950 Federal Surplus/Deficit | 887 | -685 | -475 | -92 | -478 | -964 | 831 | 3095 | 3942 | 3057 | 3312 | 4173 | 3541 | 3607 |
| 1951 Federal Surplus/Deficit | 3041 | 2269 | 719 | 952 | 778 | 3574 | 2821 | 2840 | 2893 | 3088 | 3488 | 4430 | 4212 | 3938 |
| 1952 Federal Surplus/Deficit | 3463 | 2280 | 603 | 1947 | -390 | 1557 | 2204 | 1388 | 1476 | 3387 | 3764 | 4481 | 4421 | 3552 |
| 1953 Federal Surplus/Deficit | 2457 | 241 | 145 | -60 | -143 | -999 | -35 | 1883 | -311 | -242 | 1348 | 3920 | 4163 | 3872 |
| 1954 Federal Surplus/Deficit | 3124 | 1838 | 492 | 139 | -393 | 491 | 1111 | 2815 | 1844 | 2263 | 2475 | 4375 | 3647 | 3410 |
| 1955 Federal Surplus/Deficit | 3830 | 3713 | 3409 | 377 | -105 | 747 | 60 | -1728 | -1470 | -180 | 907 | 2387 | 3619 | 3151 |
| 1956 Federal Surplus/Deficit | 3486 | 3313 | 48 | 562 | 276 | 3357 | 2762 | 1685 | 3722 | 3177 | 2986 | 4418 | 3605 | 3846 |
| 1957 Federal Surplus/Deficit | 3406 | 2139 | 534 | 402 | -476 | 7.4 | 1136 | -790 | 1421 | 2904 | 3003 | 4462 | 3957 | 3483 |
| 1958 Federal Surplus/Deficit | 1520 | 379 | 163 | -74 | -303 | -935 | 59 | 1487 | 1877 | 1159 | 3194 | 4422 | 4230 | 3371 |
| 1959 Federal Surplus/Deficit | 1523 | 1036 | 368 | -119 | -170 | 2143 | 2787 | 2910 | 1984 | 2225 | 2221 | 3839 | 3906 | 3751 |
| 1960 Federal Surplus/Deficit | 3377 | 1889 | 3483 | 3186 | 1529 | 2973 | 2722 | -710 | 1369 | 2605 | 3655 | 3345 | 4148 | 3674 |
| 1961 Federal Surplus/Deficit | 2605 | -32 | 439 | -3.3 | -534 | -153 | 1380 | 2294 | 2264 | 2445 | 1757 | 4106 | 3745 | 3680 |
| 1962 Federal Surplus/Deficit | 2093 | 1433 | -50 | -47 | -251 | -852 | 1051 | -514 | -959 | 2891 | 3416 | 3857 | 4209 | 3942 |
| 1963 Federal Surplus/Deficit | 2692 | 1411 | 116 | 588 | 40 | 2248 | 2292 | 362 | -666 | 143 | 341 | 3813 | 4389 | 3871 |
| 1964 Federal Surplus/Deficit | 3227 | 1629 | 699 | -321 | -339 | -628 | 737 | -474 | -1288 | 1225 | 1952 | 3187 | 3827 | 3450 |
| 1965 Federal Surplus/Deficit | 3440 | 2925 | 1309 | 1197 | -286 | 3266 | 2761 | 3381 | 3324 | 2127 | 3588 | 4322 | 4295 | 3745 |
| 1966 Federal Surplus/Deficit | 3388 | 2378 | 642 | 470 | -392 | 280 | 2319 | -737 | -1148 | 3146 | 2111 | 2861 | 3872 | 3892 |
| 1967 Federal Surplus/Deficit | 3386 | 994 | 21 | -204 | -360 | -551 | 2907 | 3412 | 660 | 687 | 14 | 3397 | 3687 | 3812 |
| 1968 Federal Surplus/Deficit | 3519 | 1582 | 719 | 142 | -504 | -377 | 1636 | 2084 | 1571 | -1464 | -325 | 2683 | 4022 | 4087 |
| 1969 Federal Surplus/Deficit | 3514 | 2554 | 1956 | 1150 | 393 | 1673 | 2959 | 2832 | 1018 | 3130 | 3392 | 4441 | 4071 | 4048 |
| 1970 Federal Surplus/Deficit | 2683 | 783 | 314 | 94 | -214 | -682 | 1154 | 823 | 121 | -399 | 763 | 3701 | 4276 | 3603 |
| 1971 Federal Surplus/Deficit | 1321 | 80 | -160 | -151 | 24 | -822 | 2436 | 2879 | 2722 | 2878 | 3673 | 4471 | 3838 | 3738 |
| 1972 Federal Surplus/Deficit | 3870 | 3412 | 968 | 322 | -395 | 81 | 2809 | 3410 | 3137 | 2179 | 2800 | 4434 | 4146 | 3419 |
| 1973 Federal Surplus/Deficit | 3859 | 3557 | 1608 | 402 | -417 | 455 | 1987 | -1736 | -1367 | -1725 | -1879 | 622 | 2396 | 2532 |
| 1974 Federal Surplus/Deficit | 1479 | -309 | -636 | -250 | -704 | 1774 | 2420 | 2808 | 3937 | 2991 | 3341 | 4210 | 4101 | 3079 |
| 1975 Federal Surplus/Deficit | 3756 | 3471 | 813 | -330 | -305 | -701 | 1761 | 972 | 2532 | 453 | 1581 | 3917 | 4132 | 3616 |
| 1976 Federal Surplus/Deficit | 2010 | 1601 | 763 | 1168 | 745 | 4304 | 2740 | 2844 | 1978 | 3268 | 3589 | 4459 | 4215 | 3620 |
| 1977 Federal Surplus/Deficit | 3656 | 3674 | 4263 | 237 | -362 | -837 | 145 | -2200 | -2090 | -1870 | -2842 | -1400 | 749 | 1270 |
| 1978 Federal Surplus/Deficit | 1167 | 591 | -386 | -502 | -697 | -681 | 1181 | 818 | 2202 | 2760 | 1618 | 3521 | 3941 | 4086 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 3077 | 2247 | 1646 | 1531 | 632 | 3158 | 2801 | 2237 | 2116 | 2844 | 3542 | 4200 | 4188 | 3805 |
| Middle Eighty Percent | 2440 | 1385 | 476 | 150 | -313 | 134 | 1268 | 698 | 1024 | 1277 | 1872 | 3531 | 3748 | 3406 |
| Bottom Ten Percent | 2376 | 583 | -72 | -73 | -163 | -897 | -1489 | -1839 | -1166 | -973 | -2025 | -1771 | 2393 | 2354 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 3138 | -474 | 51 | -439 | -293 | -1186 | -749 | -2250 | -961 | -1310 | -2155 | -1256 | 4245 | 2404 |
| 1930 Federal Surplus/Deficit | 1330 | 251 | -144 | 13 | -144 | -796 | -2354 | -1105 | -1047 | -732 | -1495 | -1323 | 3080 | 2887 |
| 1931 Federal Surplus/Deficit | 1992 | 786 | -427 | -38 | -244 | -1244 | -2348 | -2263 | -1286 | -545 | -2343 | -1297 | 3020 | 2502 |
| 1932 Federal Surplus/Deficit | 1700 | 939 | 98 | -428 | -438 | -1203 | -2310 | -2487 | 267 | 2631 | 3380 | 4902 | 4841 | 3765 |
| 1933 Federal Surplus/Deficit | 1557 | 1977 | 611 | -102 | -822 | -334 | 2375 | 1187 | -198 | 515 | 1381 | 3886 | 4290 | 3188 |
| 1934 Federal Surplus/Deficit | 3260 | 2855 | 930 | 785 | 1121 | 4458 | 2176 | 2640 | 2735 | 2556 | 3311 | 4669 | 2608 | 3025 |
| 1935 Federal Surplus/Deficit | 934 | -29 | -397 | -426 | -881 | -1111 | 1735 | 2668 | -1174 | 131 | 1511 | 3213 | 4511 | 3690 |
| 1936 Federal Surplus/Deficit | 2780 | 360 | 55 | -249 | -356 | -948 | -1738 | -2100 | -1059 | -399 | 2818 | 5048 | 4714 | 2546 |
| 1937 Federal Surplus/Deficit | 1988 | 683 | -115 | -99 | -236 | -903 | -2416 | -2003 | -1235 | -1058 | -1815 | -608 | 3160 | 1830 |
| 1938 Federal Surplus/Deficit | 1623 | 261 | -161 | -21 | -700 | -789 | 1921 | -228 | 1788 | 1968 | 2832 | 5035 | 4962 | 3552 |
| 1939 Federal Surplus/Deficit | 853 | 502 | 600 | 76 | -366 | -915 | 166 | -2066 | -367 | 425 | 1391 | 3912 | 2697 | 3017 |
| 1940 Federal Surplus/Deficit | 2321 | 706 | -174 | 93 | -411 | -695 | -313 | -1062 | 1900 | 844 | 2723 | 3480 | 3411 | 2390 |
| 1941 Federal Surplus/Deficit | 636 | -313 | -226 | 57 | -652 | -610 | 12 | -2091 | -1343 | -783 | -1889 | 1466 | 3232 | 2022 |
| 1942 Federal Surplus/Deficit | 743 | 672 | 557 | -266 | -773 | 1087 | 2012 | -302 | -1894 | -348 | 797 | 3342 | 4898 | 4113 |
| 1943 Federal Surplus/Deficit | 3044 | 2012 | -93 | -120 | -732 | -908 | 1598 | 1894 | 2637 | 2727 | 3309 | 4902 | 4952 | 3824 |
| 1944 Federal Surplus/Deficit | 3169 | 1441 | 4.7 | -294 | -456 | -966 | -183 | -2166 | -1844 | -1701 | -2791 | -1283 | 1732 | 1865 |
| 1945 Federal Surplus/Deficit | 832 | 189 | -31 | -313 | -344 | -1213 | -2237 | -1641 | -1420 | -1432 | -2334 | 3257 | 4951 | 2736 |
| 1946 Federal Surplus/Deficit | 1185 | 688 | -223 | -404 | -500 | -868 | 840 | 160 | 3013 | 2533 | 3526 | 5048 | 4775 | 3994 |
| 1947 Federal Surplus/Deficit | 3104 | 1468 | 678 | -415 | -568 | 2663 | 2340 | 2505 | 3207 | 1297 | 2050 | 4877 | 4875 | 4036 |
| 1948 Federal Surplus/Deficit | 2407 | 236 | 340 | 2513 | 254 | 1549 | 3021 | 257 | 1649 | 955 | 3465 | 5178 | 5426 | 3851 |
| 1949 Federal Surplus/Deficit | 3384 | 3210 | 948 | 117 | -540 | -736 | 75 | -269 | 3379 | 1833 | 3572 | 5033 | 4820 | 1457 |
| 1950 Federal Surplus/Deficit | 836 | -731 | -529 | -191 | -589 | -1086 | 710 | 2977 | 3833 | 2960 | 3218 | 4790 | 4196 | 3551 |
| 1951 Federal Surplus/Deficit | 2987 | 2219 | 665 | 854 | 666 | 3451 | 2700 | 2721 | 2784 | 2991 | 3393 | 5047 | 4867 | 3882 |
| 1952 Federal Surplus/Deficit | 3407 | 2230 | 549 | 1848 | -502 | 1435 | 2083 | 1269 | 1367 | 3290 | 3669 | 5099 | 5076 | 3495 |
| 1953 Federal Surplus/Deficit | 2405 | 195 | 92 | -159 | -255 | -1122 | -156 | 1764 | -420 | -339 | 1253 | 4537 | 4818 | 3815 |
| 1954 Federal Surplus/Deficit | 3069 | 1790 | 438 | 40 | -505 | 369 | 990 | 2696 | 1735 | 2167 | 2380 | 4992 | 4302 | 3354 |
| 1955 Federal Surplus/Deficit | 3770 | 3652 | 3359 | 279 | -216 | 625 | -61 | -1847 | -1579 | -277 | 812 | 3004 | 4274 | 3095 |
| 1956 Federal Surplus/Deficit | 3429 | 3258 | -5.8 | 463 | 164 | 3235 | 2641 | 1566 | 3613 | 3081 | 2892 | 5036 | 4260 | 3789 |
| 1957 Federal Surplus/Deficit | 3350 | 2089 | 480 | 303 | -588 | -115 | 1015 | -908 | 1312 | 2808 | 2909 | 5080 | 4611 | 3427 |
| 1958 Federal Surplus/Deficit | 1469 | 332 | 109 | -173 | -414 | -1057 | -62 | 1368 | 1768 | 1062 | 3099 | 5040 | 4885 | 3315 |
| 1959 Federal Surplus/Deficit | 1472 | 989 | 315 | -217 | -282 | 2021 | 2666 | 2791 | 1875 | 2129 | 2126 | 4456 | 4561 | 3695 |
| 1960 Federal Surplus/Deficit | 3322 | 1840 | 3432 | 3088 | 1417 | 2851 | 2601 | -828 | 1260 | 2509 | 3560 | 3963 | 4803 | 3618 |
| 1961 Federal Surplus/Deficit | 2554 | -78 | 386 | -102 | -645 | -275 | 1259 | 2175 | 2155 | 2349 | 1662 | 4724 | 4400 | 3623 |
| 1962 Federal Surplus/Deficit | 2042 | 1386 | -103 | -145 | -363 | -975 | 930 | -633 | -1068 | 2794 | 3321 | 4474 | 4864 | 3885 |
| 1963 Federal Surplus/Deficit | 2639 | 1364 | 63 | 489 | -72 | 2125 | 2171 | 243 | -775 | 47 | 246 | 4431 | 5044 | 3814 |
| 1964 Federal Surplus/Deficit | 3172 | 1581 | 646 | -420 | -451 | -750 | 616 | -593 | -1397 | 1129 | 1857 | 3805 | 4482 | 3393 |
| 1965 Federal Surplus/Deficit | 3384 | 2872 | 1257 | 1098 | -397 | 3143 | 2640 | 3262 | 3215 | 2031 | 3493 | 4940 | 4950 | 3688 |
| 1966 Federal Surplus/Deficit | 3333 | 2327 | 588 | 371 | -503 | 158 | 2198 | -855 | -1257 | 3050 | 2016 | 3478 | 4527 | 3835 |
| 1967 Federal Surplus/Deficit | 3331 | 948 | -32 | -302 | -471 | -673 | 2786 | 3293 | 551 | 590 | -81 | 4014 | 4342 | 3756 |
| 1968 Federal Surplus/Deficit | 3463 | 1535 | 667 | 44 | -616 | -500 | 1515 | 1965 | 1462 | -1560 | -419 | 3300 | 4676 | 4031 |
| 1969 Federal Surplus/Deficit | 3458 | 2503 | 1904 | 1052 | 281 | 1551 | 2838 | 2713 | 909 | 3033 | 3298 | 5059 | 4726 | 3991 |
| 1970 Federal Surplus/Deficit | 2631 | 737 | 261 | -4.2 | -326 | -804 | 1034 | 704 | 12 | -496 | 669 | 4318 | 4931 | 3547 |
| 1971 Federal Surplus/Deficit | 1270 | 34 | -216 | -249 | -88 | -944 | 2316 | 2760 | 2613 | 2781 | 3578 | 5088 | 4493 | 3682 |
| 1972 Federal Surplus/Deficit | 3809 | 3355 | 915 | 223 | -507 | -41 | 2688 | 3291 | 3028 | 2083 | 2705 | 5052 | 4800 | 3362 |
| 1973 Federal Surplus/Deficit | 3799 | 3499 | 1555 | 303 | -529 | 333 | 1866 | -1854 | -1476 | -1821 | -1973 | 1239 | 3051 | 2476 |
| 1974 Federal Surplus/Deficit | 1429 | -354 | -704 | -348 | -815 | 1651 | 2299 | 2690 | 3828 | 2895 | 3246 | 4827 | 4755 | 3023 |
| 1975 Federal Surplus/Deficit | 3696 | 3414 | 760 | -428 | -417 | -823 | 1640 | 853 | 2423 | 357 | 1487 | 4535 | 4787 | 3560 |
| 1976 Federal Surplus/Deficit | 1958 | 1552 | 709 | 1070 | 634 | 4181 | 2619 | 2726 | 1869 | 3172 | 3494 | 5077 | 4870 | 3563 |
| 1977 Federal Surplus/Deficit | 3599 | 3614 | 4215 | 138 | -473 | -959 | 24 | -2319 | -2199 | -1966 | -2937 | -783 | 1404 | 1213 |
| 1978 Federal Surplus/Deficit | 1119 | 547 | -439 | -600 | -809 | -803 | 1060 | 699 | 2093 | 2664 | 1523 | 4139 | 4596 | 4030 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 3022 | 2197 | 1594 | 1432 | 520 | 3036 | 2680 | 2119 | 2007 | 2747 | 3448 | 4817 | 4843 | 3749 |
| Middle Eighty Percent | 2386 | 1336 | 422 | 51 | -424 | 11 | 1147 | 579 | 915 | 1181 | 1778 | 4148 | 4402 | 3349 |
| Bottom Ten Percent | 2323 | 537 | -126 | -171 | -275 | -1019 | -1610 | -1957 | -1275 | -1069 | -2120 | -1154 | 3047 | 2298 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 3049 | -562 | -56 | -557 | -424 | -1306 | -870 | -2369 | -1069 | -1408 | -2252 | -2036 | 3469 | 2329 |
| 1930 Federal Surplus/Deficit | 1241 | 163 | -250 | -106 | -276 | -916 | -2475 | -1225 | -1154 | -830 | -1592 | -2103 | 2304 | 2812 |
| 1931 Federal Surplus/Deficit | 1903 | 698 | -534 | -157 | -376 | -1365 | -2469 | -2382 | -1393 | -644 | -2439 | -2077 | 2244 | 2427 |
| 1932 Federal Surplus/Deficit | 1610 | 851 | -9.0 | -547 | -569 | -1323 | -2432 | -2606 | 160 | 2532 | 3283 | 4122 | 4065 | 3689 |
| 1933 Federal Surplus/Deficit | 1468 | 1889 | 504 | -221 | -953 | -454 | 2253 | 1068 | -306 | 416 | 1284 | 3106 | 3514 | 3112 |
| 1934 Federal Surplus/Deficit | 3171 | 2767 | 823 | 666 | 990 | 4338 | 2055 | 2521 | 2628 | 2457 | 3215 | 3889 | 1832 | 2950 |
| 1935 Federal Surplus/Deficit | 845 | -117 | -503 | -545 | -1012 | -1231 | 1614 | 2549 | -1281 | 32 | 1414 | 2433 | 3734 | 3615 |
| 1936 Federal Surplus/Deficit | 2691 | 272 | -51 | -368 | -487 | -1068 | -1859 | -2219 | -1167 | -498 | 2721 | 4268 | 3938 | 2470 |
| 1937 Federal Surplus/Deficit | 1899 | 595 | -222 | -217 | -367 | -1023 | -2537 | -2122 | -1342 | -1157 | -1912 | -1388 | 2384 | 1754 |
| 1938 Federal Surplus/Deficit | 1534 | 173 | -267 | -140 | -832 | -910 | 1800 | -347 | 1681 | 1870 | 2735 | 4255 | 4186 | 3476 |
| 1939 Federal Surplus/Deficit | 764 | 414 | 493 | -42 | -497 | -1035 | 45 | -2185 | -474 | 327 | 1294 | 3132 | 1921 | 2941 |
| 1940 Federal Surplus/Deficit | 2232 | 618 | -281 | -26 | -543 | -815 | -434 | -1181 | 1793 | 745 | 2626 | 2700 | 2635 | 2315 |
| 1941 Federal Surplus/Deficit | 547 | -401 | -333 | -62 | -783 | -730 | -110 | -2210 | -1450 | -882 | -1985 | 686 | 2456 | 1946 |
| 1942 Federal Surplus/Deficit | 653 | 584 | 450 | -385 | -904 | 966 | 1890 | -421 | -2001 | -446 | 700 | 2563 | 4122 | 4038 |
| 1943 Federal Surplus/Deficit | 2955 | 1924 | -199 | -239 | -863 | -1028 | 1477 | 1775 | 2530 | 2629 | 3212 | 4122 | 4176 | 3749 |
| 1944 Federal Surplus/Deficit | 3080 | 1353 | -102 | -412 | -587 | -1087 | -305 | -2285 | -1952 | -1800 | -2888 | -2063 | 956 | 1790 |
| 1945 Federal Surplus/Deficit | 743 | 101 | -138 | -432 | -475 | -1333 | -2359 | -1760 | -1527 | -1531 | -2430 | 2477 | 4174 | 2661 |
| 1946 Federal Surplus/Deficit | 1096 | 600 | -329 | -523 | -632 | -989 | 719 | 41 | 2906 | 2434 | 3429 | 4268 | 3999 | 3919 |
| 1947 Federal Surplus/Deficit | 3015 | 1380 | 571 | -533 | -700 | 2542 | 2219 | 2386 | 3099 | 1198 | 1953 | 4097 | 4099 | 3960 |
| 1948 Federal Surplus/Deficit | 2317 | 148 | 233 | 2394 | 123 | 1428 | 2899 | 138 | 1542 | 856 | 3369 | 4398 | 4650 | 3776 |
| 1949 Federal Surplus/Deficit | 3294 | 3122 | 841 | -1.5 | -671 | -856 | -46 | -388 | 3272 | 1734 | 3475 | 4253 | 4044 | 1382 |
| 1950 Federal Surplus/Deficit | 747 | -819 | -636 | -309 | -720 | -1206 | 589 | 2858 | 3726 | 2862 | 3121 | 4010 | 3420 | 3475 |
| 1951 Federal Surplus/Deficit | 2898 | 2131 | 558 | 735 | 535 | 3331 | 2579 | 2602 | 2677 | 2893 | 3296 | 4267 | 4091 | 3807 |
| 1952 Federal Surplus/Deficit | 3318 | 2142 | 443 | 1730 | -633 | 1314 | 1962 | 1150 | 1260 | 3192 | 3572 | 4319 | 4300 | 3420 |
| 1953 Federal Surplus/Deficit | 2316 | 107 | -15 | -277 | -386 | -1242 | -277 | 1645 | -528 | -437 | 1156 | 3757 | 4042 | 3740 |
| 1954 Federal Surplus/Deficit | 2980 | 1702 | 332 | -78 | -636 | 248 | 869 | 2577 | 1628 | 2068 | 2283 | 4213 | 3525 | 3278 |
| 1955 Federal Surplus/Deficit | 3681 | 3564 | 3253 | 160 | -347 | 505 | -182 | -1966 | -1686 | -375 | 715 | 2224 | 3498 | 3020 |
| 1956 Federal Surplus/Deficit | 3340 | 3170 | -113 | 345 | 33 | 3114 | 2520 | 1447 | 3506 | 2982 | 2795 | 4256 | 3484 | 3714 |
| 1957 Federal Surplus/Deficit | 3260 | 2001 | 373 | 185 | -719 | -235 | 894 | -1027 | 1205 | 2709 | 2812 | 4300 | 3835 | 3352 |
| 1958 Federal Surplus/Deficit | 1380 | 244 | 2.3 | -291 | -545 | -1177 | -184 | 1249 | 1660 | 964 | 3002 | 4260 | 4109 | 3239 |
| 1959 Federal Surplus/Deficit | 1383 | 901 | 208 | -336 | -413 | 1900 | 2545 | 2672 | 1768 | 2030 | 2029 | 3676 | 3785 | 3619 |
| 1960 Federal Surplus/Deficit | 3232 | 1752 | 3325 | 2969 | 1286 | 2731 | 2480 | -947 | 1153 | 2410 | 3463 | 3183 | 4027 | 3542 |
| 1961 Federal Surplus/Deficit | 2464 | -166 | 279 | -220 | -776 | -396 | 1138 | 2056 | 2048 | 2250 | 1565 | 3944 | 3624 | 3548 |
| 1962 Federal Surplus/Deficit | 1953 | 1298 | -210 | -264 | -494 | -1095 | 809 | -752 | -1176 | 2696 | 3225 | 3694 | 4088 | 3810 |
| 1963 Federal Surplus/Deficit | 2550 | 1276 | -44 | 371 | -203 | 2005 | 2050 | 124 | -883 | -52 | 149 | 3651 | 4267 | 3739 |
| 1964 Federal Surplus/Deficit | 3083 | 1493 | 539 | -538 | -582 | -871 | 495 | -712 | -1504 | 1030 | 1760 | 3025 | 3705 | 3318 |
| 1965 Federal Surplus/Deficit | 3295 | 2784 | 1150 | 980 | -529 | 3023 | 2519 | 3143 | 3108 | 1932 | 3396 | 4160 | 4174 | 3613 |
| 1966 Federal Surplus/Deficit | 3244 | 2239 | 481 | 253 | -634 | 37 | 2077 | -974 | -1364 | 2951 | 1919 | 2698 | 3751 | 3760 |
| 1967 Federal Surplus/Deficit | 3242 | 860 | -139 | -421 | -603 | -794 | 2665 | 3174 | 444 | 492 | -178 | 3234 | 3566 | 3681 |
| 1968 Federal Surplus/Deficit | 3374 | 1447 | 560 | -75 | -747 | -620 | 1394 | 1846 | 1355 | -1659 | -516 | 2520 | 3900 | 3955 |
| 1969 Federal Surplus/Deficit | 3369 | 2415 | 1798 | 933 | 150 | 1430 | 2717 | 2594 | 801 | 2935 | 3201 | 4279 | 3950 | 3916 |
| 1970 Federal Surplus/Deficit | 2541 | 649 | 154 | -123 | -457 | -924 | 912 | 585 | -95 | -594 | 572 | 3538 | 4155 | 3471 |
| 1971 Federal Surplus/Deficit | 1181 | -53 | -322 | -368 | -219 | -1065 | 2194 | 2641 | 2506 | 2683 | 3482 | 4308 | 3717 | 3607 |
| 1972 Federal Surplus/Deficit | 3720 | 3267 | 808 | 105 | -638 | -162 | 2567 | 3172 | 2920 | 1984 | 2608 | 4272 | 4024 | 3287 |
| 1973 Federal Surplus/Deficit | 3710 | 3411 | 1448 | 185 | -660 | 212 | 1744 | -1973 | -1583 | -1920 | -2070 | 459 | 2275 | 2400 |
| 1974 Federal Surplus/Deficit | 1340 | -442 | -811 | -467 | -947 | 1531 | 2177 | 2570 | 3721 | 2796 | 3150 | 4047 | 3979 | 2948 |
| 1975 Federal Surplus/Deficit | 3607 | 3326 | 653 | -547 | -548 | -944 | 1519 | 734 | 2316 | 258 | 1390 | 3755 | 4010 | 3484 |
| 1976 Federal Surplus/Deficit | 1868 | 1464 | 602 | 951 | 502 | 4061 | 2498 | 2607 | 1761 | 3073 | 3398 | 4297 | 4094 | 3488 |
| 1977 Federal Surplus/Deficit | 3510 | 3526 | 4108 | 20 | -604 | -1079 | -97 | -2438 | -2306 | -2065 | -3033 | -1563 | 627 | 1138 |
| 1978 Federal Surplus/Deficit | 1030 | 459 | -546 | -719 | -940 | -923 | 939 | 580 | 1985 | 2565 | 1426 | 3359 | 3820 | 3954 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2932 | 2109 | 1487 | 1314 | 389 | 2915 | 2559 | 2000 | 1900 | 2649 | 3351 | 4037 | 4067 | 3673 |
| Middle Eighty Percent | 2297 | 1248 | 315 | -67 | -556 | -109 | 1026 | 460 | 808 | 1082 | 1681 | 3368 | 3626 | 3274 |
| Bottom Ten Percent | 2234 | 449 | -233 | -290 | -406 | -1139 | -1731 | -2076 | -1382 | -1168 | -2217 | -1934 | 2271 | 2222 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2974 | -635 | -128 | -660 | -538 | -1433 | -999 | -2493 | -1182 | -1515 | -2356 | -1366 | 4141 | 2291 |
| 1930 Federal Surplus/Deficit | 1166 | 89 | -323 | -209 | -390 | -1043 | -2604 | -1348 | -1268 | -937 | -1697 | -1433 | 2976 | 2774 |
| 1931 Federal Surplus/Deficit | 1828 | 624 | -607 | -259 | -490 | -1491 | -2598 | -2505 | -1507 | -750 | -2544 | -1407 | 2916 | 2389 |
| 1932 Federal Surplus/Deficit | 1536 | 778 | -82 | -649 | -683 | -1450 | -2561 | -2729 | 46 | 2426 | 3178 | 4792 | 4737 | 3651 |
| 1933 Federal Surplus/Deficit | 1393 | 1815 | 432 | -323 | -1067 | -581 | 2124 | 945 | -419 | 309 | 1179 | 3777 | 4186 | 3074 |
| 1934 Federal Surplus/Deficit | 3096 | 2693 | 750 | 563 | 875 | 4211 | 1926 | 2398 | 2514 | 2350 | 3110 | 4559 | 2504 | 2912 |
| 1935 Federal Surplus/Deficit | 770 | -191 | -576 | -647 | -1127 | -1358 | 1485 | 2426 | -1394 | -74 | 1309 | 3103 | 4407 | 3576 |
| 1936 Federal Surplus/Deficit | 2616 | 199 | -124 | -471 | -602 | -1195 | -1988 | -2343 | -1280 | -604 | 2616 | 4938 | 4610 | 2432 |
| 1937 Federal Surplus/Deficit | 1824 | 521 | -294 | -320 | -482 | -1150 | -2666 | -2245 | -1455 | -1263 | -2017 | -718 | 3056 | 1716 |
| 1938 Federal Surplus/Deficit | 1459 | 100 | -340 | -242 | -946 | -1036 | 1671 | -471 | 1567 | 1763 | 2630 | 4925 | 4858 | 3438 |
| 1939 Federal Surplus/Deficit | 689 | 340 | 421 | -145 | -612 | -1162 | -84 | -2308 | -587 | 220 | 1190 | 3802 | 2593 | 2903 |
| 1940 Federal Surplus/Deficit | 2157 | 544 | -353 | -128 | -657 | -942 | -563 | -1304 | 1679 | 638 | 2522 | 3370 | 3307 | 2277 |
| 1941 Federal Surplus/Deficit | 472 | -475 | -405 | -165 | -897 | -857 | -239 | -2333 | -1564 | -989 | -2090 | 1356 | 3128 | 1908 |
| 1942 Federal Surplus/Deficit | 578 | 511 | 378 | -488 | -1018 | 840 | 1761 | -544 | -2115 | -553 | 595 | 3233 | 4794 | 4000 |
| 1943 Federal Surplus/Deficit | 2880 | 1851 | -272 | -342 | -977 | -1155 | 1348 | 1651 | 2417 | 2522 | 3108 | 4792 | 4848 | 3710 |
| 1944 Federal Surplus/Deficit | 3005 | 1279 | -175 | -515 | -701 | -1213 | -434 | -2408 | -2065 | -1906 | -2993 | -1393 | 1628 | 1752 |
| 1945 Federal Surplus/Deficit | 668 | 27 | -210 | -534 | -589 | -1460 | -2488 | -1884 | -1640 | -1638 | -2535 | 3147 | 4847 | 2623 |
| 1946 Federal Surplus/Deficit | 1021 | 527 | -402 | -626 | -746 | -1115 | 590 | -82 | 2793 | 2328 | 3324 | 4938 | 4671 | 3881 |
| 1947 Federal Surplus/Deficit | 2940 | 1306 | 498 | -636 | -814 | 2416 | 2090 | 2262 | 2986 | 1091 | 1848 | 4767 | 4771 | 3922 |
| 1948 Federal Surplus/Deficit | 2242 | 75 | 161 | 2292 | 8.2 | 1302 | 2770 | 14 | 1428 | 749 | 3264 | 5068 | 5322 | 3738 |
| 1949 Federal Surplus/Deficit | 3219 | 3048 | 769 | -104 | -785 | -983 | -175 | -511 | 3159 | 1627 | 3370 | 4923 | 4717 | 1344 |
| 1950 Federal Surplus/Deficit | 672 | -893 | -708 | -412 | -835 | -1333 | 460 | 2734 | 3612 | 2755 | 3016 | 4680 | 4092 | 3437 |
| 1951 Federal Surplus/Deficit | 2823 | 2057 | 486 | 632 | 421 | 3204 | 2450 | 2479 | 2563 | 2786 | 3192 | 4937 | 4763 | 3768 |
| 1952 Federal Surplus/Deficit | 3243 | 2068 | 370 | 1627 | -747 | 1188 | 1833 | 1027 | 1146 | 3085 | 3468 | 4989 | 4972 | 3382 |
| 1953 Federal Surplus/Deficit | 2241 | 33 | -88 | -380 | -500 | -1369 | -406 | 1522 | -641 | -544 | 1051 | 4427 | 4714 | 3702 |
| 1954 Federal Surplus/Deficit | 2905 | 1628 | 259 | -181 | -750 | 122 | 740 | 2454 | 1515 | 1961 | 2179 | 4883 | 4198 | 3240 |
| 1955 Federal Surplus/Deficit | 3606 | 3490 | 3180 | 58 | -462 | 378 | -311 | -2089 | -1800 | -482 | 610 | 2894 | 4170 | 2981 |
| 1956 Federal Surplus/Deficit | 3265 | 3096 | -185 | 242 | -82 | 2988 | 2391 | 1324 | 3393 | 2875 | 2690 | 4926 | 4156 | 3676 |
| 1957 Federal Surplus/Deficit | 3185 | 1928 | 301 | 82 | -833 | -362 | 765 | -1151 | 1092 | 2603 | 2707 | 4970 | 4508 | 3313 |
| 1958 Federal Surplus/Deficit | 1305 | 171 | -70 | -394 | -660 | -1304 | -313 | 1126 | 1547 | 857 | 2898 | 4930 | 4781 | 3201 |
| 1959 Federal Surplus/Deficit | 1308 | 828 | 135 | -438 | -528 | 1773 | 2416 | 2549 | 1654 | 1923 | 1924 | 4346 | 4457 | 3581 |
| 1960 Federal Surplus/Deficit | 3157 | 1678 | 3253 | 2867 | 1172 | 2604 | 2351 | -1071 | 1040 | 2304 | 3358 | 3853 | 4699 | 3504 |
| 1961 Federal Surplus/Deficit | 2389 | -240 | 207 | -323 | -891 | -522 | 1009 | 1933 | 1935 | 2144 | 1460 | 4614 | 4296 | 3510 |
| 1962 Federal Surplus/Deficit | 1878 | 1225 | -283 | -366 | -609 | -1222 | 680 | -875 | -1289 | 2589 | 3120 | 4364 | 4760 | 3772 |
| 1963 Federal Surplus/Deficit | 2475 | 1202 | -117 | 268 | -317 | 1878 | 1921 | 0.7 | -996 | -158 | 44 | 4321 | 4940 | 3701 |
| 1964 Federal Surplus/Deficit | 3008 | 1419 | 466 | -641 | -697 | -997 | 366 | -835 | -1618 | 924 | 1655 | 3695 | 4378 | 3280 |
| 1965 Federal Surplus/Deficit | 3220 | 2710 | 1077 | 877 | -643 | 2896 | 2390 | 3020 | 2994 | 1826 | 3291 | 4830 | 4846 | 3575 |
| 1966 Federal Surplus/Deficit | 3169 | 2165 | 409 | 150 | -749 | -89 | 1948 | -1098 | -1477 | 2845 | 1814 | 3368 | 4423 | 3722 |
| 1967 Federal Surplus/Deficit | 3167 | 786 | -212 | -524 | -717 | -920 | 2536 | 3051 | 331 | 385 | -282 | 3904 | 4238 | 3642 |
| 1968 Federal Surplus/Deficit | 3299 | 1373 | 487 | -177 | -861 | -747 | 1265 | 1723 | 1241 | -1766 | -621 | 3190 | 4573 | 3917 |
| 1969 Federal Surplus/Deficit | 3294 | 2341 | 1725 | 831 | 36 | 1304 | 2588 | 2471 | 688 | 2828 | 3096 | 4949 | 4622 | 3878 |
| 1970 Federal Surplus/Deficit | 2466 | 575 | 81 | -225 | -571 | -1051 | 783 | 462 | -208 | -701 | 467 | 4208 | 4827 | 3433 |
| 1971 Federal Surplus/Deficit | 1106 | -127 | -395 | -471 | -333 | -1191 | 2065 | 2518 | 2392 | 2576 | 3377 | 4978 | 4389 | 3568 |
| 1972 Federal Surplus/Deficit | 3645 | 3193 | 735 | 1.9 | -752 | -288 | 2438 | 3049 | 2807 | 1877 | 2503 | 4942 | 4697 | 3249 |
| 1973 Federal Surplus/Deficit | 3635 | 3337 | 1376 | 82 | -774 | 86 | 1615 | -2097 | -1697 | -2027 | -2175 | 1130 | 2947 | 2362 |
| 1974 Federal Surplus/Deficit | 1265 | -516 | -883 | -569 | -1061 | 1404 | 2048 | 2447 | 3608 | 2689 | 3045 | 4717 | 4652 | 2909 |
| 1975 Federal Surplus/Deficit | 3532 | 3252 | 581 | -649 | -662 | -1070 | 1390 | 611 | 2202 | 151 | 1285 | 4425 | 4683 | 3446 |
| 1976 Federal Surplus/Deficit | 1793 | 1390 | 530 | 849 | 388 | 3934 | 2369 | 2483 | 1648 | 2967 | 3293 | 4967 | 4766 | 3450 |
| 1977 Federal Surplus/Deficit | 3435 | 3452 | 4035 | -83 | -719 | -1206 | -226 | -2561 | -2420 | -2171 | -3138 | -893 | 1300 | 1100 |
| 1978 Federal Surplus/Deficit | 955 | 385 | -619 | -821 | -1054 | -1050 | 810 | 457 | 1872 | 2458 | 1321 | 4029 | 4492 | 3916 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2857 | 2035 | 1414 | 1211 | 275 | 2789 | 2430 | 1876 | 1786 | 2542 | 3246 | 4707 | 4739 | 3635 |
| Middle Eighty Percent | 2222 | 1174 | 243 | -170 | -670 | -236 | 897 | 337 | 695 | 975 | 1576 | 4038 | 4299 | 3236 |
| Bottom Ten Percent | 2159 | 376 | -305 | -393 | -520 | -1266 | -1860 | -2200 | -1495 | -1274 | -2321 | -1263 | 2944 | 2184 |

Table A-30: Federal Surplus/Deficit - 50 Water Year
 PNW Loads and Resource Study
 2016 - 2017 Operating Year
 [43] 2007 White Book (Final)

3/31/2007

| Capacity 120 (aMW) | Aug1 | Aug16 | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr1 | Apr16 | May | Jun | Jul |
|------------------------------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 1929 Federal Surplus/Deficit | 2937 | -671 | -162 | -696 | -631 | -1537 | -1088 | -2582 | -1259 | -1581 | -2421 | -2145 | 3365 | 2227 |
| 1930 Federal Surplus/Deficit | 1129 | 53 | -356 | -244 | -483 | -1148 | -2693 | -1437 | -1345 | -1003 | -1761 | -2212 | 2199 | 2710 |
| 1931 Federal Surplus/Deficit | 1791 | 588 | -640 | -295 | -583 | -1596 | -2687 | -2594 | -1583 | -816 | -2609 | -2186 | 2140 | 2325 |
| 1932 Federal Surplus/Deficit | 1499 | 742 | -115 | -685 | -776 | -1554 | -2650 | -2818 | -30 | 2359 | 3114 | 4014 | 3960 | 3587 |
| 1933 Federal Surplus/Deficit | 1356 | 1779 | 398 | -359 | -1160 | -686 | 2035 | 855 | -496 | 243 | 1114 | 2998 | 3410 | 3010 |
| 1934 Federal Surplus/Deficit | 3059 | 2657 | 717 | 528 | 783 | 4106 | 1837 | 2308 | 2438 | 2284 | 3045 | 3780 | 1728 | 2848 |
| 1935 Federal Surplus/Deficit | 733 | -227 | -609 | -683 | -1220 | -1462 | 1396 | 2336 | -1471 | -140 | 1244 | 2325 | 3630 | 3513 |
| 1936 Federal Surplus/Deficit | 2579 | 163 | -157 | -506 | -694 | -1299 | -2078 | -2432 | -1357 | -670 | 2551 | 4159 | 3834 | 2368 |
| 1937 Federal Surplus/Deficit | 1787 | 486 | -328 | -356 | -574 | -1255 | -2756 | -2334 | -1532 | -1329 | -2082 | -1496 | 2279 | 1652 |
| 1938 Federal Surplus/Deficit | 1422 | 64 | -373 | -278 | -1039 | -1141 | 1581 | -560 | 1491 | 1697 | 2566 | 4147 | 4082 | 3374 |
| 1939 Federal Surplus/Deficit | 652 | 305 | 388 | -181 | -704 | -1266 | -174 | -2398 | -664 | 154 | 1125 | 3023 | 1817 | 2839 |
| 1940 Federal Surplus/Deficit | 2120 | 509 | -387 | -164 | -750 | -1047 | -652 | -1394 | 1602 | 572 | 2457 | 2592 | 2531 | 2213 |
| 1941 Federal Surplus/Deficit | 435 | -510 | -439 | -200 | -990 | -962 | -328 | -2423 | -1641 | -1055 | -2155 | 578 | 2352 | 1844 |
| 1942 Federal Surplus/Deficit | 542 | 475 | 344 | -523 | -1111 | 735 | 1672 | -634 | -2191 | -619 | 530 | 2454 | 4018 | 3936 |
| 1943 Federal Surplus/Deficit | 2843 | 1815 | -305 | -377 | -1070 | -1260 | 1259 | 1562 | 2340 | 2456 | 3043 | 4013 | 4072 | 3647 |
| 1944 Federal Surplus/Deficit | 2968 | 1244 | -208 | -551 | -794 | -1318 | -523 | -2498 | -2142 | -1972 | -3058 | -2171 | 852 | 1688 |
| 1945 Federal Surplus/Deficit | 631 | -8.2 | -244 | -570 | -682 | -1565 | -2577 | -1973 | -1717 | -1704 | -2600 | 2368 | 4070 | 2559 |
| 1946 Federal Surplus/Deficit | 984 | 491 | -435 | -661 | -839 | -1220 | 501 | -172 | 2716 | 2261 | 3259 | 4160 | 3895 | 3817 |
| 1947 Federal Surplus/Deficit | 2903 | 1271 | 465 | -672 | -907 | 2311 | 2000 | 2173 | 2909 | 1025 | 1783 | 3989 | 3995 | 3858 |
| 1948 Federal Surplus/Deficit | 2206 | 39 | 128 | 2256 | -85 | 1197 | 2681 | -75 | 1351 | 683 | 3199 | 4290 | 4546 | 3674 |
| 1949 Federal Surplus/Deficit | 3183 | 3012 | 736 | -140 | -878 | -1088 | -265 | -601 | 3082 | 1561 | 3305 | 4144 | 3940 | 1280 |
| 1950 Federal Surplus/Deficit | 635 | -928 | -742 | -448 | -928 | -1438 | 370 | 2645 | 3536 | 2689 | 2951 | 3902 | 3316 | 3373 |
| 1951 Federal Surplus/Deficit | 2786 | 2021 | 453 | 597 | 328 | 3100 | 2360 | 2389 | 2486 | 2720 | 3127 | 4158 | 3987 | 3705 |
| 1952 Federal Surplus/Deficit | 3206 | 2032 | 337 | 1591 | -840 | 1083 | 1744 | 938 | 1070 | 3019 | 3403 | 4210 | 4195 | 3318 |
| 1953 Federal Surplus/Deficit | 2204 | -2.8 | -121 | -416 | -593 | -1473 | -496 | 1432 | -718 | -610 | 987 | 3649 | 3937 | 3638 |
| 1954 Federal Surplus/Deficit | 2868 | 1592 | 226 | -216 | -843 | 17 | 651 | 2365 | 1438 | 1895 | 2114 | 4104 | 3421 | 3176 |
| 1955 Federal Surplus/Deficit | 3569 | 3454 | 3147 | 22 | -555 | 273 | -401 | -2179 | -1877 | -548 | 545 | 2115 | 3394 | 2918 |
| 1956 Federal Surplus/Deficit | 3228 | 3060 | -218 | 206 | -175 | 2883 | 2301 | 1234 | 3316 | 2809 | 2625 | 4147 | 3380 | 3612 |
| 1957 Federal Surplus/Deficit | 3149 | 1892 | 267 | 46 | -926 | -467 | 676 | -1240 | 1015 | 2537 | 2642 | 4191 | 3731 | 3250 |
| 1958 Federal Surplus/Deficit | 1268 | 135 | -104 | -429 | -753 | -1409 | -402 | 1036 | 1470 | 791 | 2833 | 4151 | 4005 | 3137 |
| 1959 Federal Surplus/Deficit | 1271 | 792 | 102 | -474 | -620 | 1669 | 2326 | 2460 | 1578 | 1857 | 1860 | 3568 | 3681 | 3517 |
| 1960 Federal Surplus/Deficit | 3121 | 1642 | 3219 | 2831 | 1079 | 2499 | 2262 | -1160 | 963 | 2238 | 3293 | 3074 | 3922 | 3440 |
| 1961 Federal Surplus/Deficit | 2353 | -276 | 173 | -359 | -984 | -627 | 919 | 1843 | 1858 | 2078 | 1395 | 3835 | 3520 | 3446 |
| 1962 Federal Surplus/Deficit | 1841 | 1189 | -316 | -402 | -702 | -1326 | 590 | -965 | -1366 | 2523 | 3055 | 3586 | 3984 | 3708 |
| 1963 Federal Surplus/Deficit | 2438 | 1167 | -150 | 233 | -410 | 1774 | 1831 | -89 | -1073 | -225 | -21 | 3542 | 4163 | 3637 |
| 1964 Federal Surplus/Deficit | 2971 | 1384 | 433 | -676 | -789 | -1102 | 276 | -924 | -1694 | 858 | 1590 | 2916 | 3601 | 3216 |
| 1965 Federal Surplus/Deficit | 3183 | 2675 | 1044 | 841 | -736 | 2792 | 2300 | 2931 | 2917 | 1760 | 3227 | 4051 | 4070 | 3511 |
| 1966 Federal Surplus/Deficit | 3132 | 2130 | 375 | 114 | -842 | -194 | 1858 | -1187 | -1554 | 2778 | 1749 | 2590 | 3647 | 3658 |
| 1967 Federal Surplus/Deficit | 3130 | 750 | -245 | -559 | -810 | -1025 | 2446 | 2961 | 254 | 319 | -347 | 3126 | 3461 | 3579 |
| 1968 Federal Surplus/Deficit | 3262 | 1337 | 454 | -213 | -954 | -851 | 1176 | 1633 | 1164 | -1832 | -686 | 2412 | 3796 | 3853 |
| 1969 Federal Surplus/Deficit | 3257 | 2305 | 1692 | 795 | -57 | 1199 | 2499 | 2381 | 611 | 2762 | 3031 | 4170 | 3845 | 3814 |
| 1970 Federal Surplus/Deficit | 2430 | 539 | 48 | -261 | -664 | -1156 | 694 | 372 | -285 | -767 | 402 | 3429 | 4051 | 3369 |
| 1971 Federal Surplus/Deficit | 1069 | -163 | -428 | -506 | -426 | -1296 | 1976 | 2428 | 2316 | 2510 | 3312 | 4200 | 3613 | 3505 |
| 1972 Federal Surplus/Deficit | 3608 | 3158 | 702 | -34 | -845 | -393 | 2348 | 2959 | 2730 | 1811 | 2439 | 4163 | 3920 | 3185 |
| 1973 Federal Surplus/Deficit | 3598 | 3302 | 1342 | 47 | -867 | -19 | 1526 | -2186 | -1774 | -2093 | -2240 | 351 | 2171 | 2298 |
| 1974 Federal Surplus/Deficit | 1228 | -551 | -917 | -605 | -1154 | 1300 | 1959 | 2358 | 3531 | 2623 | 2980 | 3939 | 3875 | 2846 |
| 1975 Federal Surplus/Deficit | 3495 | 3216 | 547 | -685 | -755 | -1175 | 1300 | 521 | 2125 | 85 | 1220 | 3646 | 3906 | 3382 |
| 1976 Federal Surplus/Deficit | 1757 | 1355 | 497 | 813 | 295 | 3830 | 2280 | 2394 | 1571 | 2901 | 3228 | 4188 | 3990 | 3386 |
| 1977 Federal Surplus/Deficit | 3398 | 3417 | 4002 | -118 | -812 | -1311 | -316 | -2651 | -2496 | -2237 | -3203 | -1672 | 523 | 1036 |
| 1978 Federal Surplus/Deficit | 918 | 350 | -652 | -857 | -1147 | -1155 | 720 | 367 | 1795 | 2392 | 1256 | 3250 | 3716 | 3852 |
| -Ranked Averages- | | | | | | | | | | | | | | |
| Top Ten Percent | 2821 | 2000 | 1381 | 1176 | 182 | 2684 | 2340 | 1787 | 1710 | 2476 | 3181 | 3929 | 3963 | 3571 |
| Middle Eighty Percent | 2185 | 1139 | 209 | -205 | -763 | -340 | 808 | 247 | 618 | 909 | 1511 | 3260 | 3522 | 3172 |
| Bottom Ten Percent | 2122 | 340 | -339 | -428 | -613 | -1371 | -1950 | -2289 | -1572 | -1340 | -2386 | -2042 | 2167 | 2120 |

