

DECEMBER 2004

2004 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

OPERATING YEARS 2006 THROUGH 2015

Technical Appendix Volume 1 Energy Analysis



2004 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

The White Book

TECHNICAL APPENDIX

VOLUME 1

ENERGY ANALYSIS

**BONNEVILLE POWER ADMINISTRATION
December 2004**

Cover Photo Montage:

(Top left clockwise)

Photographs provided by Thomas Osborn, Mechanical Engineer, BPA, Energy Efficiency Group, Walla Walla Washington, Office.

John Day Power House The John Day power house is located in the John Day Dam and was completed in 1971. At the time of its completion, at a total cost of \$511 million, the John Day Dam Powerhouse was the second largest in the world.

John Day Dam Spanning the Columbia River, 28 miles east of the city of The Dalles, Oregon, is the John Day dam. It is owned and operated by the U.S. Corps of Engineers. Construction for this project began in 1958 and ended in 1971 with an installed capacity of 2,160 MW.

White Bluffs Solar Project The White Bluffs Solar Energy project is being jointly developed by Bonneville Environmental Foundation, Bonneville Power Administration, and Energy Northwest, on the site of the terminated WNP 1 nuclear power plant on the Hanford Nuclear Reservation, north of Richland, Washington. It will have an installed capacity of 40 kW, with expected peak generation of 29.6 kW.

Stateline Wind Generation The Stateline Wind Energy Center is located on Vansycle Ridge, a crest of land straddling the Washington–Oregon border, near Touchet, Washington, and Pendleton, Oregon. The Stateline Wind Energy Center will use 660 kW Vestas wind turbines, and will collectively produce a maximum output of 300 megawatts (MW) of electricity. On average the project is expected to receive enough wind to deliver 30 to 35 percent of its peak capacity year–round.

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

**2004 Pacific Northwest Loads and Resources
Technical Appendix, Volume 1
Energy Analysis**

TABLE OF CONTENTS

Volume 1: Energy Analysis		Page
Annual Energy for OY 2006 through 2015		
Section 1	Annual Federal Loads & Resources Tables	1
Section 2	Annual Regional Loads & Resources Tables	5
Section 3	Annual A-Tables	9
Monthly Energy for OY 2006 through 2015		
Section 4	Monthly Federal Loads & Resources Tables	77
Section 5	Monthly Regional Loads & Resources Tables	91
Section 6	Monthly Federal 50-Water Year Tables	105
Section 7	Monthly Regional 50-Water Year Tables	119
Section 8	Monthly A-Tables	133

Section 1
Annual Federal Table
Loads & Resources
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Federal Table
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
Non-Utility Obligations										
<i>Federal Agencies 2002 PSC Sale</i>	118	124	131	142	144	146	147	148	150	151
<i>USBR 2002 PSC Sale</i>	149	149	149	149	149	149	149	149	149	149
<i>DSI 2002 PSC Sale</i>	271	45	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	538	319	280	291	294	295	296	297	299	300
Transfers Out										
<i>NGP 2002 PSC Sale</i>	2749	2901	2961	2989	3025	3066	3088	3115	3144	3177
<i>GPU 2002 PSC Sale</i>	2098	2350	2402	2414	2430	2444	2438	2452	2462	2478
<i>NGP Slice Sale</i>	613	612	626	619	625	617	629	621	633	624
<i>GPU Slice Sale</i>	1021	1019	1043	1030	1041	1028	1048	1034	1054	1039
<i>IOU 2002 PSC Sale</i>	382	64	0	0	0	0	0	0	0	0
<i>Exports</i>	969	696	653	598	691	652	600	580	570	557
<i>Intra-Regional Transfers (Out)</i>	485	380	370	370	370	370	199	184	178	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8316	8021	8055	8021	8181	8177	8001	7986	8041	8053
<i>Total Firm Obligations</i>	8854	8340	8335	8312	8475	8472	8298	8283	8340	8354
Hydro Resources										
<i>Regulated Hydro</i>	6464	6492	6527	6545	6562	6577	6589	6603	6614	6620
<i>Independent Hydro</i>	398	399	399	399	399	399	399	399	399	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	139	134	131	132	138	140	139	137	136	134
<i>Total Hydro Resources</i>	7001	7025	7057	7076	7099	7117	7126	7139	7149	7154
Other Resources										
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	29	29	29	29	29	29	29	29	29	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	247	226	199	184	183	175	175	175	175	175
<i>Intra-Regional Transfers (In)</i>	1210	510	276	276	276	276	105	90	90	84
<i>Large Thermal</i>	1000	877	1000	877	1000	877	1000	877	1000	877
<i>Non-Utility Generation</i>	88	65	106	115	115	115	115	115	115	115
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	2574	1706	1610	1481	1603	1472	1424	1286	1409	1279
<i>Total Resources</i>	9575	8731	8667	8557	8702	8589	8550	8425	8558	8433
Reserves & Maintenance										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-270	-246	-244	-241	-245	-242	-241	-238	-241	-238
<i>Total Reserves, Maintenance & Losses</i>	-270	-246	-244	-241	-245	-242	-241	-238	-241	-238
<i>Total Net Resources</i>	9305	8485	8423	8315	8457	8346	8309	8187	8317	8195
<i>Total Firm Surplus/Deficit</i>	451	144	88	3.6	-18	-126	12	-96	-23	-158

Section 2
Annual Regional Table
Loads & Resources
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Regional Table
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
Firm Regional Loads										
<i>Regional Firm Loads</i>	20309	20797	21210	21529	21815	22095	22396	22736	23023	23334
<i>Exports</i>	1397	1030	930	841	934	895	841	803	790	754
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21707	21826	22140	22370	22749	22990	23237	23539	23813	24088
Non-Firm Regional Loads										
<i>Regional Non-Firm Loads</i>	11	11	11	11	11	11	11	11	11	11
<i>Total Non-Firm Regional Loads</i>	11	11	11	11	11	11	11	11	11	11
<i>Total Loads</i>	21717	21837	22151	22381	22760	23001	23248	23550	23823	24099
Hydro Resources										
<i>Regulated Hydro</i>	10622	10650	10686	10703	10721	10736	10748	10762	10773	10779
<i>Independent Hydro</i>	1083	1083	1083	1083	1086	1091	1091	1091	1091	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	11705	11734	11769	11787	11807	11827	11838	11853	11864	11870
Other Resources										
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2188	2462	2514	2521	2500	2502	2524	2524	2524	2538
<i>Renewables</i>	80	80	80	80	80	80	80	80	80	80
<i>Cogeneration</i>	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975
<i>Imports</i>	1283	1188	1180	1026	972	856	786	788	794	800
<i>Large Thermal</i>	6153	5874	6165	5936	6168	6044	6209	6057	6243	6119
<i>Non-Utility Generation</i>	1258	1262	1303	1311	1312	1315	1315	1316	1316	1316
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	12954	12858	13234	12867	13025	12790	12906	12756	12949	12846
<i>Total Resources</i>	24660	24592	25003	24654	24831	24617	24744	24609	24813	24715
Reserves & Maintenance										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-695	-693	-705	-695	-700	-694	-697	-694	-699	-697
<i>Total Reserves, Maintenance & Losses</i>	-707	-705	-717	-707	-712	-706	-710	-706	-711	-709
<i>Total Net Resources</i>	23953	23887	24287	23947	24119	23911	24034	23903	24101	24007
Surplus/Deficits										
<i>Firm Surplus/Deficit</i>	2246	2060	2146	1576	1370	921	797	364	289	-81
<i>Total Surplus/Deficit</i>	2235	2050	2136	1565	1359	911	786	353	278	-92

Section 3

Annual OY 2006 – 2015

Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro	A-3
Independent Hydro	A-4
Imports	A-5
Small Thermal & Miscellaneous	A-6
Combustion Turbines	A-7
Renewable Resources	A-8
Cogeneration	A-9
Large Thermal	A-10
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 ³
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 Sales Contracts	A-22
Non-Utility Generating Resources By Owner	A-23
Regional Non-Utility Generating Resources By Project	A-24
Dedicated Resources	A-25
Other Dedicated Resources	A-26

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.

3 Capacity Reserves are not applicable to energy.

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-1
Total Retail Loads
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
Firm Loads										
<i>-Federal Entities-</i>										
1 Federal Entities	128	134	140	151	154	155	156	158	159	161
2 Total Federal Entities	128	134	140	151	154	155	156	158	159	161
<i>-U.S. Bureau of Reclamation-</i>										
3 U.S. Bureau of Reclamation	149	149	149	149	149	149	149	149	149	149
4 Total U.S. Bureau of Reclamation	149	149	149	149	149	149	149	149	149	149
<i>-Direct Service Industry-</i>										
5 Direct Service Industry	296	473	591	608	608	608	608	608	608	608
6 Total Direct Service Industry	296	473	591	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>										
7 Generating Public Entities	5069	5156	5224	5290	5356	5408	5494	5561	5604	5658
8 Total Generating Public Entities	5069	5156	5224	5290	5356	5408	5494	5561	5604	5658
<i>-Non-Generating Public Entities-</i>										
9 Non-Generating Public Entities	3462	3512	3555	3596	3645	3690	3731	3769	3811	3858
10 Total Non-Generating Public Entities	3462	3512	3555	3596	3645	3690	3731	3769	3811	3858
<i>-Investor-Owned Entities-</i>										
11 Investor-Owned Entities	11025	11194	11370	11554	11723	11905	12078	12310	12511	12721
12 Total Investor-Owned Entities	11025	11194	11370	11554	11723	11905	12078	12310	12511	12721
<i>-Other Firm Loads-</i>										
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180
<i>- Total Regional Firm Loads-</i>										
15 Federal Entities	277	283	290	300	303	304	306	307	308	310
16 Direct Service Industry	296	473	591	608	608	608	608	608	608	608
17 Public Entities	8531	8667	8779	8886	9001	9098	9225	9331	9415	9516
18 Investor-Owned Entities	11025	11194	11370	11554	11723	11905	12078	12310	12511	12721
19 Other Entities	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	20309	20797	21210	21529	21815	22095	22396	22736	23023	23334
Non-Firm Loads										
<i>-Investor-Owned Entities-</i>										
21 Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
22 Total Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
<i>- Total Regional Non-Firm Loads-</i>										
23 Federal Entities	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
27 Total Regional Non-Firm Loads	11	11	11	11	11	11	11	11	11	11
<i>- Total Regional Loads-</i>										
28 Federal Entities	277	283	290	300	303	304	306	307	308	310
29 Direct Service Industry	296	473	591	608	608	608	608	608	608	608
30 Public Entities	8531	8667	8779	8886	9001	9098	9225	9331	9415	9516
31 Investor-Owned Entities	11036	11204	11380	11565	11734	11915	12088	12321	12522	12731
32 Other Entities	180	180	180	180	180	180	180	180	180	180
33 Total Regional Loads	20320	20808	21221	21540	21826	22106	22407	22746	23034	23345

Table A-2
Exports
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Exports East of Continental Divide-</i>										
1 AVWP To PPLM PwrS	9	9	9	9	9	9	9	9	9	9
2 BPA To Other Entities	80	83	86	56	48	54	12	3.8	3.7	3.5
3 Total Exports To ECD	89	92	95	65	57	63	21	13	13	13
<i>-Exports to Pacific Southwest-</i>										
4 BPA To BART PwrS	37	0	0	0	0	0	0	0	0	0
5 BPA To BURB C/N/X	3.8	3.8	2.4	0	0	0	0	0	0	0
6 BPA To GLEN C/N/X	4.2	4.2	2.7	0	0	0	0	0	0	0
7 BPA To MSR PwrS	17	0	0	0	0	0	0	0	0	0
8 BPA To Other Entities	204	35	0	0	0	0	0	0	0	0
9 BPA To PASA C/N/X	2.5	2.5	1.6	0	0	0	0	0	0	0
10 BPA To PASA C/N/X	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7
11 BPA To PASA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0
12 BPA To RVSD CapS	3.0	3.0	2.9	2.9	2.9	0	0	0	0	0
13 BPA To RVSD C/N/X	2.8	2.8	2.9	2.9	1.7	0	0	0	0	0
14 BPA To RVSD C/N/X	4.9	4.9	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9
15 BPA To RVSD S/Pwr/X	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
16 PGE To GLEN PwrS	20	20	20	20	20	20	20	3.3	0	0
17 PGE To GLEN S/Pwr/X	3.0	3.0	3.0	3.0	3.0	3.0	1.5	0	0	0
18 PPL To SCE PwrS	114	19	0	0	0	0	0	0	0	0
19 PPL To SMUD PwrS	40	40	40	40	40	40	40	40	40	17
20 PSE To PGS S/Pwr/X	43	43	28	0	0	0	0	0	0	0
21 SCL To NCPA S/Pwr/X	10	10	10	10	10	10	10	10	10	10
22 SDGE To SDGE PwrS	75	75	75	75	75	75	75	75	75	75
23 SHPD To SMUD PwrS	29	29	6	0	0	0	0	0	0	0
24 TID To TID PwrS	50	50	50	50	50	50	50	50	50	50
25 BPA NW-SW Intertie Losses	8.5	1.9	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3
26 Total Exports To PSW	677	353	256	215	214	209	208	190	186	162
<i>-Exports to Inland Southwest-</i>										
27 BPA To SPP PwrS	60	60	60	60	60	60	60	60	60	60
28 LVFBR To WAPA PwrS	36	36	36	36	36	36	36	36	36	36
29 Total Exports To ISW	96	96	96	96	96	96	96	96	96	96
<i>-Exports to Canada-</i>										
30 BPA To BCHP CanEnt	535	488	483	465	567	527	517	505	495	483
31 Total Exports To Canada	535	488	483	465	567	527	517	505	495	483
<i>-Exports to Other Entities-</i>										
32 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>										
33 Federal Entities	969	696	653	598	691	652	600	580	570	557
34 Public Entities	90	90	67	61	61	61	61	61	61	61
35 Investor-Owned Entities	303	208	175	147	147	147	145	127	124	100
36 Other Entities	36	36	36	36	36	36	36	36	36	36
37 Total Exports.	1397	1030	930	841	934	895	841	803	790	754

Table A-3
Regulated Hydro Projects
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Regulated Hydro Projects-										
1 Albeni Falls	25	25	25	25	25	25	25	25	25	25
2 Alder	21	21	21	21	21	21	21	21	21	21
3 Bonneville	343	343	345	345	345	345	345	345	345	345
4 Boundary	332	332	332	332	332	332	332	332	332	332
5 Box Canyon	48	48	48	48	48	48	48	48	48	48
6 Brownlee	235	235	235	235	235	235	235	235	235	235
7 Cabinet Gorge	85	85	85	85	85	85	85	85	85	85
8 Chelan	44	44	44	44	44	44	44	44	44	44
9 Chief Joseph	1066	1073	1089	1095	1101	1105	1105	1105	1105	1105
10 Cushman 1	14	14	14	14	14	14	14	14	14	14
11 Cushman 2	29	29	29	29	29	29	29	29	29	29
12 Diablo	79	79	79	79	79	79	79	79	79	79
13 Dworshak	126	126	127	127	127	127	127	127	127	127
14 Faraday	20	20	20	20	20	20	20	20	20	20
15 Gorge	91	91	91	91	91	91	91	91	91	91
16 Grand Coulee	1952	1961	1975	1975	1975	1975	1975	1976	1976	1976
17 Hells Canyon	189	189	189	189	189	189	189	189	189	189
18 Hungry Horse	77	77	78	78	78	78	78	78	78	78
19 Ice Harbor	137	137	136	136	136	136	136	136	136	136
20 John Day	800	801	805	805	805	805	805	805	805	805
21 La Grande	34	34	34	34	34	34	34	34	34	34
22 Libby	168	169	169	169	169	169	169	169	169	169
23 Little Falls	19	19	19	19	19	19	19	19	19	19
24 Little Goose	215	215	213	213	213	213	213	213	213	213
25 Long Lake	42	42	42	42	42	42	42	42	42	42
26 Lower Baker	35	35	35	35	35	35	35	35	35	35
27 Lower Granite	218	218	216	216	216	216	216	216	216	216
28 Lower Monumental	220	221	219	219	219	219	219	219	219	219
29 Mayfield	68	68	68	68	68	68	68	68	68	68
30 McNary	521	527	530	541	553	564	576	587	599	604
31 Merwin	52	52	52	52	52	52	52	52	52	52
32 Monroe Street	11	11	11	11	11	11	11	11	11	11
33 Mossyrock	95	95	95	95	95	95	95	95	95	95
34 Nine Mile	13	13	13	13	13	13	13	13	13	13
35 North Fork	23	23	23	23	23	23	23	23	23	23
36 Noxon	131	131	131	131	131	131	131	131	131	131
37 Oak Grove	25	25	25	25	25	25	25	25	25	25
38 Oxbow	97	97	97	97	97	97	97	97	97	97
39 Pelton	36	36	36	36	36	36	36	36	36	36
40 Post Falls	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
41 Priest Rapids	337	337	337	337	337	337	337	337	337	337
42 River Mill	11	11	11	11	11	11	11	11	11	11
43 Rock Island PH#1	172	172	172	172	172	172	172	172	172	172
44 Rock Island PH#2	116	116	116	116	116	116	116	116	116	116
45 Rocky Reach	548	548	548	548	548	548	548	548	548	548
46 Ross	83	83	83	83	83	83	83	83	83	83
47 Round Butte	89	89	89	89	89	89	89	89	89	89
48 Swift 1	61	61	61	61	61	61	61	61	61	61
49 Swift 2	22	22	22	22	22	22	22	22	22	22
50 The Dalles	597	598	601	601	601	601	601	601	601	601
51 Upper Baker	34	34	34	34	34	34	34	34	34	34
52 Upper Falls	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
53 Wanapum	362	362	362	362	362	362	362	362	362	362
54 Wells	350	350	350	350	350	350	350	350	350	350
55 White	32	32	32	32	32	32	32	32	32	32
56 Yale	57	57	57	57	57	57	57	57	57	57
Total Regulated Hydro w/Enc.	10622	10650	10686	10703	10721	10736	10748	10762	10773	10779

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Total Regulated Hydro W/Enc.-</i>										
<i>57 Federal System</i>	6464	6492	6527	6545	6562	6577	6589	6603	6614	6620
<i>58 Public Entities</i>	1726	1754	1754	1754	1806	1837	1839	1841	1844	1847
<i>59 Investor-Owned Entities</i>	2251	2218	2218	2218	2165	2134	2132	2129	2127	2124
<i>60 Other Entities</i>	182	187	187	187	188	188	188	188	188	188
61 Total Regulated Hydro w/Enc.	10622	10650	10686	10703	10721	10736	10748	10762	10773	10779

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-4
Independent Hydro Projects
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Independent Hydro Projects-										
1 American Falls	28	28	28	28	28	28	28	28	28	28
2 Anderson Ranch	16	16	16	16	16	16	16	16	16	16
3 Big Cliff	11	11	11	11	11	11	11	11	11	11
4 Big Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
5 Black Canyon	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
6 Bliss	42	42	42	42	42	42	42	42	42	42
7 Blue River	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
8 Boise River Diversion	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 Bonneville Fishway	21	21	21	21	21	21	21	21	21	21
10 Bull Run	10	10	10	10	10	10	10	10	10	10
11 Calispel Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
12 Carmen-Smith	16	16	16	16	16	16	16	16	16	16
13 Cascade	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
14 Cedar Falls & Newhalem	12	12	12	12	12	12	12	12	12	12
15 Chandler	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
16 C.J. Strike	50	50	50	50	50	50	50	50	50	50
17 Condit Sm Plts	26	26	26	26	26	26	26	26	26	26
18 Cougar	16	16	16	16	16	16	16	16	16	16
19 Cowlitz Falls	26	26	26	26	26	26	26	26	26	26
20 Detroit	41	41	41	41	41	41	41	41	41	41
21 Dexter	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
22 Felt	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23 Foster	12	12	12	12	12	12	12	12	12	12
24 Gem State Hydro	14	14	14	14	14	14	14	14	14	14
25 Green Peter	28	28	28	28	28	28	28	28	28	28
26 Green Springs - USBR	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
27 Hills Creek	18	18	18	18	18	18	18	18	18	18
28 Hood Street	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
29 Idaho Falls - City Plant	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
30 Idaho Falls - Lower Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
31 Idaho Falls - Upper Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
32 Island Park	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
33 Jackson	43	43	43	43	43	43	43	43	43	43
34 Klamath	35	35	35	35	35	35	35	35	35	35
35 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
36 Leaburg	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
37 Lookout Point	35	35	35	35	35	35	35	35	35	35
38 Lost Creek	30	30	30	30	30	30	30	30	30	30
39 Lower Salmon	26	26	26	26	26	26	26	26	26	26
40 McNary Fishway	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
41 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
43 Milner	2	2	2	2	2	2	2	2	2	2
44 Minidoka	16	16	16	16	16	16	16	16	16	16
45 Morse Creek	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	107	107	107	107	107	107	107	107	107	107
48 Packwood	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
49 Palisades	66	66	66	66	66	66	66	66	66	66
50 Reader Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
51 Rogue	36	36	36	36	36	36	36	36	36	36
52 Roza	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
53 Shoshone Falls	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
54 Snoq Elect & Nooksack	46	46	46	46	46	46	46	46	46	46
55 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
56 South Fork Tolt	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
57 Spring Plants	28	28	28	28	28	28	28	28	28	28
58 Stone Creek	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
59 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60 Swan Falls	16	16	16	16	16	16	16	16	16	16

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>61 The Dalles Fishway</i>	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
<i>62 Trail Bridge</i>	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
<i>63 TW Sullivan</i>	7	7	7	7	9.3	14	14	14	14	14
<i>64 Twin Falls</i>	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	18	18	18	18	18	18	18	18
<i>66 Upper Salmon 3 & 4</i>	15	15	15	15	15	15	15	15	15	15
<i>67 Watterville</i>	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
<i>68 Wynochee</i>	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
<i>69 Yelm</i>	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Total Independent Hydro w/Enc.	1083	1083	1083	1083	1086	1091	1091	1091	1091	1091
<i>-Total Independent Hydro W/Enc.-</i>										
<i>70 Federal System</i>	398	399	399	399	399	399	399	399	399	399
<i>71 Public Entities</i>	171	171	171	171	171	171	171	171	171	171
<i>72 Investor-Owned Entities</i>	514	514	514	514	516	521	521	521	521	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1083	1083	1083	1083	1086	1091	1091	1091	1091	1091

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-5
Imports
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Imports From East of Continental Divide-										
1 BEPC To NWE PwrS	42	42	42	42	42	0	0	0	0	0
2 NWE To NWE PwrS	141	136	140	167	147	140	107	110	114	118
3 Other Entities To AVWP	100	100	100	100	100	42	0	0	0	0
4 Other Entities To CKPD	10	1.7	0	0	0	0	0	0	0	0
5 Other Entities To IPC	11	11	11	11	3.7	0	0	0	0	0
6 PPL To BPA PwrS	94	94	94	94	94	94	94	94	94	94
7 PPL To PPL PwrS	197	138	153	0	0	0	0	0	0	0
8 Total Imports From ECD	596	523	541	414	387	276	201	205	208	212
-Imports From Pacific Southwest-										
9 BURB To BPA XchgNrg	3.6	3.6	2.8	0	0	0	0	0	0	0
10 BURB To BPA PkRepl	3.8	3.8	2.4	0	0	0	0	0	0	0
11 GLEN To BPA XchgNrg	4	4	3.2	0	0	0	0	0	0	0
12 GLEN To BPA PkRepl	4.2	4.2	2.7	0	0	0	0	0	0	0
13 GLEN To PGE S/Pwr/X	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0	0	0
14 NCPA To SCL S/Pwr/X	13	13	13	13	13	13	13	13	13	13
15 PASA To BPA XchgNrg	2.4	2.4	1.9	0	0	0	0	0	0	0
16 PASA To BPA PkRepl	2.5	2.5	1.6	0	0	0	0	0	0	0
17 PASA To BPA XchgNrg	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18 PASA To BPA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
19 PASA To BPA PkRepl	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7
20 PG&E To PSE S/Pwr/X	42	42	42	27	0	0	0	0	0	0
21 RVSD To BPA XchgNrg	3.2	3.2	3.1	3.2	3.2	0	0	0	0	0
22 RVSD To BPA PkRepl	3.0	3.0	2.9	2.9	2.9	0	0	0	0	0
23 RVSD To BPA PkRepl	2.8	2.8	2.9	2.9	1.7	0	0	0	0	0
24 RVSD To BPA XchgNrg	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
25 RVSD To BPA S/Pwr/X	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3
26 RVSD To BPA PkRepl	4.9	4.9	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9
27 Total Imports From PSW	107	107	101	72	43	35	35	33	33	32
-Imports From Inland Southwest-										
28 Other Entities To BPA	42	21	0	0	0	0	0	0	0	0
29 SPP To BPA PwrS	60	60	60	60	60	60	60	60	60	60
30 UPL To UPL PwrS	436	437	439	441	443	446	451	452	454	457
31 WAPA To GLEC ARP	3.3	0.5	0	0	0	0	0	0	0	0
32 Total Imports From ISW	541	518	499	501	503	506	511	512	514	517
-Imports From Canada-										
33 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1
34 BCHP To SCL PwrS	36	36	36	36	36	36	36	36	36	36
35 Other Entities To PSE	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
36 Total Imports From Canada	39	39	39	39	39	39	39	39	39	39
-Imports From Other Entities-										
37 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0
-Total Imports-										
38 Federal System	247	226	199	184	183	175	175	175	175	175
39 Public Entities	61	50	48	48	48	48	48	48	48	48
40 Investor-Owned Entities	975	912	933	793	741	633	562	564	570	577
41 Other Entities	0	0	0	0	0	0	0	0	0	0
42 Total Imports.	1283	1188	1180	1026	972	856	786	788	794	800

Table A-6
Small Thermal & Miscellaneous
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Federal System-</i>										
1 Bangor Base #1 Diesel Generators	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>										
6 Crystal Mountain	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>										
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>										
10 Federal System	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0
14 Total Small Thermal & Misc.	17	17	17	17	17	17	17	17	17	17

Table A-7
Combustion Turbines
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Federal System-										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
-Public Entities-										
2 Finley CT	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3 Frederickson CT	114	114	114	114	114	114	114	114	114	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0
8 River Road	235	188	172	179	165	172	193	198	201	218
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
12 Total Public Entities	362	315	299	306	292	300	321	325	328	345
-Investor-Owned Entities-										
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4
14 Beaver	426	426	426	426	426	426	426	426	426	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	1.3	1	1.5	2.4	2.7	1.8	1.8	1.7	1.6	1.7
17 Big Hanaford CCCT	224	224	224	224	224	224	224	224	224	224
18 Boulder Park	24	24	24	24	24	24	24	24	24	24
19 Danskin	0.4	0.5	0.4	0.5	0.6	0.7	0.5	0.6	0.5	0.5
20 Encogen	96	104	106	105	103	97	94	89	87	89
21 Frederickson CT	114	114	114	114	114	114	114	114	114	114
22 Fredonia 1&2	6.3	6.3	6.3	6.3	0.5	2.1	6.3	6.3	6.3	0.5
23 Fredonia 3&4	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
24 Fredrickson 1&2	4	4	4	4	4	4	4	4	4	4
25 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10
27 Whitehorn 2 & 3	6	6	6	6	6	6	6	6	6	6
28 Port Westward CCCT	0	314	380	380	380	380	380	380	380	380
29 Total Investor-Owned Entities	926	1248	1316	1316	1309	1303	1304	1299	1297	1293
-Other Entities-										
30 Chehalis Generation Facility CCCT	417	417	417	417	417	417	417	417	417	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	224	224	224	224	224	224	224	224	224	224
33 Klamath Peaking Unit	14	14	14	14	14	14	14	14	14	14
34 Lancaster Power Project (Rathdrum)	244	244	244	244	244	244	244	244	244	244
35 Total Other Entities	899	899	899	899	899	899	899	899	899	899
-Combustion Turbines-										
36 Federal System	0	0	0	0	0	0	0	0	0	0
37 Public Entities	362	315	299	306	292	300	321	325	328	345
38 Investor-Owned Entities	926	1248	1316	1316	1309	1303	1304	1299	1297	1293
39 Other Entities	899	899	899	899	899	899	899	899	899	899
40 Total Combustion Turbines	2188	2462	2514	2521	2500	2502	2524	2524	2524	2538

Table A-8
Renewable Resources
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Federal System-										
1 Georgia-Pacific Paper (Wauna)	29	29	29	29	29	29	29	29	29	29
2 Total Federal System	29	29	29	29	29	29	29	29	29	29
-Public Entities-										
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-Investor-Owned Entities-										
6 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7 Horseshoe Bend Wind Park	0.3	0	0	0	0	0	0	0	0	0
8 Kettle Falls	42	42	42	42	42	42	42	42	42	42
9 Total Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45
-Other Entities-										
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-										
11 Federal System	29	29	29	29	29	29	29	29	29	29
12 Public Entities	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
13 Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	80	80	80	80	80	80	80

Table A-9
Cogeneration
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Federal System-</i>										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
2 WEYCO Energy Center	14	14	14	14	14	14	14	14	14	14
3 Total Public Entities	14	14	14	14	14	14	14	14	14	14
<i>-Investor-Owned Entities-</i>										
4 Coyote Springs #1	210	210	210	210	210	210	210	210	210	210
5 Coyote Springs #2	252	252	252	252	252	252	252	252	252	252
6 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44
7 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	922	922	922	922	922	922	922	922	922	922
<i>-Other Entities-</i>										
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	568	568	568	568	568	568	568	568	568	568
12 Klamath Cogeneration Project	436	436	436	436	436	436	436	436	436	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040
<i>-Cogeneration-</i>										
15 Federal System	0	0	0	0	0	0	0	0	0	0
16 Public Entities	14	14	14	14	14	14	14	14	14	14
17 Investor-Owned Entities	922	922	922	922	922	922	922	922	922	922
18 Other Entities	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040
19 Total Cogeneration	1975	1975	1975	1975	1975	1975	1975	1975	1975	1975

Table A-10
Large Thermal
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2006 - 2015 Operating Years
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Boardman: Coal-										
1 Idaho Power Company	50	50	50	50	50	50	50	50	50	50
2 Portland General Electric	328	328	328	328	328	328	328	328	328	328
3 San Diego Gas & Electric	75	75	75	75	75	75	75	75	75	75
4 Turlock Irrigation District	50	50	50	50	50	50	50	50	50	50
5 Boardman: Regional Total	504	504	504	504	504	504	504	504	504	504
-Centralia #1: Coal-										
6 Trans Alta Utilities Corp	577	626	577	626	554	626	577	626	577	626
7 Centralia #1: Regional Total	577	626	577	626	554	626	577	626	577	626
-Centralia #2: Coal-										
8 Trans Alta Utilities Corp	626	577	626	577	626	554	626	577	626	577
9 Centralia #2: Regional Total	626	577	626	577	626	554	626	577	626	577
-Colstrip #1: Coal-										
10 Puget Sound Energy	133	116	133	122	138	138	138	138	138	138
11 Colstrip #1: Regional Total	133	116	133	122	138	138	138	138	138	138
-Colstrip #2: Coal-										
12 Puget Sound Energy	132	129	118	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	132	129	118	138	138	138	138	138	138	138
-Colstrip #3: Coal-										
14 Avista Corp (WWP Division)	96	83	99	99	99	99	99	99	99	99
15 Pacific Power	64	55	66	66	66	66	66	66	66	66
16 Portland General Electric	128	111	132	132	132	132	132	132	132	132
17 Puget Sound Energy	160	138	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	448	387	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-										
19 Avista Corp (WWP Division)	92	99	99	84	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	183	199	199	168	199	199	199	199	199	199
21 Pacific Power	61	66	66	56	66	66	66	66	66	66
22 Portland General Electric	122	132	132	112	132	132	132	132	132	132
23 Puget Sound Energy	153	166	166	140	166	166	166	166	166	166
24 Colstrip #4: Regional Total	610	662	662	559	662	662	662	662	662	662
-Columbia Generating Station: Uranium-										
25 BPA - Power Business	1000	877	1000	877	1000	877	1000	877	1000	877
26 Columbia Generating Station: Regional Total	1000	877	1000	877	1000	877	1000	877	1000	877
-Jim Bridger #1: Coal-										
27 Idaho Power Company	161	137	161	157	161	148	161	158	161	161
28 Pacific Power	321	274	321	313	321	295	321	315	321	321
29 Jim Bridger #1: Regional Total	482	411	482	470	482	443	482	473	482	482
-Jim Bridger #2: Coal-										
30 Idaho Power Company	163	159	163	150	163	159	163	149	163	163
31 Pacific Power	325	317	325	299	325	317	325	298	325	325
32 Jim Bridger #2: Regional Total	488	476	488	449	488	476	488	446	488	488
-Jim Bridger #3: Coal-										
33 Idaho Power Company	159	141	159	155	146	159	159	155	159	159
34 Pacific Power	318	282	318	310	292	318	318	310	318	318
35 Jim Bridger #3: Regional Total	477	422	477	465	437	477	477	465	477	477
-Jim Bridger #4: Coal-										
36 Idaho Power Company	150	154	136	154	150	154	142	154	154	154
37 Pacific Power	300	307	272	307	300	307	285	307	307	307
38 Jim Bridger #4: Regional Total	449	461	408	461	450	461	427	461	461	461
-Valmy #1: Coal-										
39 Idaho Power Company	110	110	110	110	110	110	110	110	110	110
40 Valmy #1: Regional Total	110	110	110	110	110	110	110	110	110	110
-Valmy #2: Coal-										
41 Idaho Power Company	115	116	116	116	116	116	116	116	116	116
42 Valmy #2: Regional Total	115	116	116	116	116	116	116	116	116	116
-Total Large Thermal-										
43 Federal System	1000	877	1000	877	1000	877	1000	877	1000	877
44 Public Entities	50	50	50	50	50	50	50	50	50	50
45 Investor-Owned Entities	5103	4947	5115	5009	5118	5117	5158	5129	5192	5192
46 Other Entities	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6153	5874	6165	5936	6168	6044	6209	6057	6243	6119

Table A-11
Restoration
Annual OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-12
Canadian Entitlement Return For CSPE
Annual OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Annual OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-14
Supplemental & Entitlement Capacity
Annual OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-15
Canadian Entitlement Return For Canada
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-BPA Canada-										
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-										
2 AVWP to BPA	1.2	0.8	0.8	0.8	1.1	1.2	1.1	1.1	1.1	1.1
3 COPD to BPA	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	16	18	18	18	17	17	17	17	17	17
9 ICLP to BPA	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	0	0	0	0
11 KOOT to BPA	0	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
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0	0
17 PGE to BPA	2.7	1.9	1.8	1.8	2.6	2.7	2.6	2.5	2.5	2.4
18 PPL to BPA	2.7	1.9	1.8	1.8	2.6	2.7	2.6	2.5	2.5	2.4
19 PSE to BPA	1.6	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.4	1.4
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.5	1	1.0	1.0	1.4	1.5	1.4	1.4	1.3	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.5	1	1.0	1.0	1.4	1.5	1.4	1.4	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.3	1.7	1.7	1.7	1.1	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	30	29	28	29	30	30	30	30	29	29
-Wanapum CER for Canada-										
27 AVWP to BPA	2.4	2.3	2.2	2.2	1.5	1.1	1.1	1.1	1	1
28 COPD to BPA	0.8	0.7	0.7	0.7	0.5	0.4	0.4	0.3	0.3	0.3
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.7	0.6	0.6	0.6	0.4	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	11	10	9.9	10.0	14	16	16	16	16	16
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	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
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
42 PGE to BPA	5.4	5.2	5.1	5.1	3.3	2.6	2.5	2.4	2.4	2.3
43 PPL to BPA	5.4	5.2	5.1	5.1	3.3	2.6	2.5	2.4	2.4	2.3
44 PSE to BPA	3.1	3.0	2.9	2.9	1.9	1.5	1.4	1.4	1.4	1.3
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	1.1	1.4	1.4	1.3	1.3	1.3
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	1.1	1.4	1.4	1.3	1.3	1.3
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0.6	0.9	0.9	0.8	0.8	0.8
51 Wanapum: Regional Totals	29	28	27	27	29	29	29	28	28	28
-Rock Island P.H. #1 CER for Canada-										
52 CHPD to BPA	5.6	5.4	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4
53 PSE to BPA	5.6	5.4	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	10	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-										
55 CHPD to BPA	3.6	3.4	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4
56 PSE to BPA	3.6	3.4	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4
57 Rock Island P.H. #2: Regional Totals	7.1	6.8	6.7	6.7	7.1	7.2	7.1	7.0	6.9	6.8

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Rocky Reach CER for Canada-</i>										
58 AVWP to BPA	1.1	1.1	1	1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.7	5.5	5.4	5.4	5.7	5.8	5.7	5.6	5.6	5.5
60 CLKM to BPA	8.7	8.4	8.2	8.3	8.6	8.8	8.7	8.6	8.5	8.4
61 DOPD to BPA	1	1.0	1.0	1.0	1	1	1	1	1.0	1.0
62 PGE to BPA	4.6	4.4	4.3	4.3	4.5	4.6	4.6	4.5	4.5	4.4
63 PPL to BPA	2	1.9	1.9	1.9	2.0	2	2.0	2.0	2.0	1.9
64 PSE to BPA	15	14	14	14	15	15	15	14	14	14
65 Rocky Reach: Regional Totals	38	36	36	36	38	38	38	37	37	36
<i>-Wells CER for Canada-</i>										
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1	1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	7	6.8	6.6	6.6	6.9	7	7.0	6.9	6.8	6.7
69 OKPD to BPA	1.9	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8
70 PGE to BPA	4.7	4.6	4.5	4.5	4.7	4.8	4.7	4.7	4.6	4.6
71 PPL to BPA	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.3	7	6.9	6.9	7.2	7.4	7.3	7.2	7.1	7
73 Wells: Regional Totals	24	24	23	23	24	25	24	24	24	24
<i>-Total CER For Canada-</i>										
74 Federal System	0	0	0	0	0	0	0	0	0	0
75 Public Entities	59	59	57	58	64	68	67	67	66	66
76 Investor-Owned Entities	71	66	64	65	63	62	61	60	59	59
77 Other Entities	10	10	9.9	10.0	10	11	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	139	134	131	132	138	140	139	137	136	134

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-16
Intra-Regional Transfers
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Intra-Regional Transfers-</i>										
1 AVWP To BPA WP3Set	42	42	42	42	42	42	42	42	42	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	42	42	42	42	42	42	42	42	42	42
4 BPA To EWEB PwrS	2	0.2	0	0	0	0	0	0	0	0
5 BPA To Other Entities	112	8.9	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
7 BPA To PPL CapS	186	186	186	186	186	186	15	0	0	0
8 BPA To PPL S/Pwr/X	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0	0
9 BPA To PPL PwrS	94	94	94	94	94	94	94	94	94	94
10 BPA To PSE WP3Set	42	42	42	42	42	42	42	42	42	42
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	10	10	10	10	10	6	0	0	0	0
13 CIDF To UPL PwrS	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
14 DOPD To Other Entities	18	0	0	0	0	0	0	0	0	0
15 ENW To BCPD PwrS	1	0.2	0	0	0	0	0	0	0	0
16 ENW To BCPD PwrS	0.4	0	0	0	0	0	0	0	0	0
17 ENW To FCPD PwrS	0.3	0	0	0	0	0	0	0	0	0
18 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
19 GCPD To AVWP PwrS	15	22	22	22	22	22	3.3	0	0	0
20 GCPD To COPD PwrS	5.2	7.2	7.2	7.2	7.2	7.2	1	0	0	0
21 GCPD To EWEB PwrS	4.2	6.1	6.2	6.2	6.2	6.1	0.8	0	0	0
22 GCPD To FGRV PwrS	1.2	1.9	1.9	2	1.6	1.4	0.3	0	0	0
23 GCPD To FREC PwrS	0.3	0.5	0.7	0.7	0.7	0.7	0.2	0	0	0
24 GCPD To KITT PwrS	0.9	1.2	1.2	1.2	0.8	0.6	0.1	0	0	0
25 GCPD To KOOT PwrS	0.8	1	1	1	1	1	0.2	0	0	0
26 GCPD To LVE PwrS	0.8	1	1	1	1	1	0.2	0	0	0
27 GCPD To LVE PwrS	0.8	1	1	0.2	0	0	0	0	0	0
28 GCPD To MCMN PwrS	1.2	1.9	1.9	2	1.6	1.4	0.3	0	0	0
29 GCPD To MTRF PwrS	1.2	1.9	1.9	2	1.6	1.4	0.3	0	0	0
30 GCPD To PGE PwrS	34	50	51	51	50	50	7.3	0	0	0
31 GCPD To PPL PwrS	41	60	61	61	61	61	8.8	0	0	0
32 GCPD To PPL PwrS	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
33 GCPD To PSE PwrS	20	28	29	29	29	29	4.3	0	0	0
34 GCPD To TPU PwrS	16	23	23	23	15	12	1.8	0	0	0
35 NWCP To PSE PwrS	4.4	4.4	4.4	4.4	4.4	4.4	4.4	1.9	0	0
36 NWE To MVP PwrS	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
37 NWE To PSE PwrS	90	90	90	90	90	37	0	0	0	0
38 Other Entities To AVWP	110	110	110	110	110	52	10	10	10	10
39 Other Entities To BPA	907	228	0	0	0	0	0	0	0	0
40 Other Entities To DOPD	0	18	20	22	24	27	15	18	20	22
41 Other Entities To GHPD	15	2.5	0	0	0	0	0	0	0	0
42 Other Entities To PGE	265	372	373	364	356	325	154	150	150	150
43 Other Entities To PPL	384	352	0	0	0	0	0	0	0	0
44 Other Entities To SCL	95	0	0	0	0	0	0	0	0	0
45 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45
46 PGE To CHPD PkRepl	7.4	7.4	7.4	7.4	7.4	4.5	0	0	0	0
47 PGE To CHPD XchgNrg	12	12	12	12	12	8.3	0	0	0	0
48 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1
49 PKE To SCL PwrS	95	40	0	0	0	0	0	0	0	0
50 PPL To BPA S/Pwr/X	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	0
51 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0
52 PPL To BPA PkRepl	186	186	186	186	186	186	15	0	0	0
53 PPL To FLHD PwrS	16	2.7	0	0	0	0	0	0	0	0
54 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30
55 PPL To SUB PwrS	28	28	28	28	28	28	28	28	28	28
56 PSE To BPA WP3Set	42	42	42	42	42	42	42	42	42	42
57 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43
58 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>59 SHPD To PSE PwrS</i>	11	11	11	11	6.8	0	0	0	0	0
<i>60 TAUC To AVWP PwrS</i>	181	181	181	181	177	174	181	181	181	181
<i>61 TPU To BPA PwrX</i>	26	5.8	0	0	0	0	0	0	0	0
<i>62 WSPE To PGE PwrS</i>	41	41	41	41	41	41	41	41	41	41
63 Total Intra-Regional Transfers	3448	2603	1969	1963	1939	1774	992	929	923	920
-Total Contracts Out-										
<i>64 Federal System</i>	485	380	370	370	370	370	199	184	178	178
<i>65 Public Entities</i>	302	325	322	322	308	293	120	89	87	87
<i>66 Investor-Owned Entities</i>	1319	1179	805	806	802	738	524	509	509	503
<i>67 Other Entities</i>	1343	720	472	465	459	372	149	147	149	151
68 Total Contracts Out	3448	2603	1969	1963	1939	1774	992	929	923	920
-Total Contracts In-										
<i>69 Federal System</i>	1220	519	285	286	286	286	115	100	100	94
<i>70 Public Entities</i>	378	231	189	190	182	174	122	120	122	124
<i>71 Investor-Owned Entities</i>	1731	1844	1495	1487	1471	1314	755	710	702	702
<i>72 Other Entities</i>	118	8.3	0	0	0	0	0	0	0	0
73 Total Contracts In	3447	2603	1969	1963	1939	1774	992	929	923	920

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-17
Capacity Reserves
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-18
Wells & Chelan Allocation
Annual OY 2006 – 2015
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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Wells-</i>										
1 Wells	395	395	395	395	395	395	395	395	395	395
2 Wells Before Enc	395	395	395	395	395	395	395	395	395	395
<i>-Wells-</i>										
3 AVWP Share	12	12	12	12	12	12	12	12	12	12
4 COLV Share	16	16	16	16	16	16	16	16	16	16
5 DOPD Share	100	100	100	100	100	100	100	100	100	100
6 OKPD Share	27	27	27	27	27	27	27	27	27	27
7 PGE Share	68	68	68	68	68	68	68	68	68	68
8 PPL Share	23	23	23	23	23	23	23	23	23	23
9 PSE Share	105	105	105	105	105	105	105	105	105	105
10 Wells After Enc	350	350	350	350	350	350	350	350	350	350
<i>-Chelan-</i>										
11 Chelan	41	41	41	41	41	41	41	41	41	41
12 Chelan Before Enc	41	41	41	41	41	41	41	41	41	41
<i>-Chelan-</i>										
13 CHPD Share	44	44	44	44	44	44	44	44	44	44
14 Chelan After Enc	44	44	44	44	44	44	44	44	44	44

Table A-19
Rocky Reach & Rock Island Allocation
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Rocky Reach-</i>										
1 Rocky Reach	531	531	531	531	531	531	531	531	531	531
2 Rocky Reach Before Enc	531	531	531	531	531	531	531	531	531	531
<i>-Rocky Reach-</i>										
3 AVWP Share	16	16	16	16	16	16	16	16	16	16
4 CHPD Share	83	83	83	83	83	83	83	83	83	83
5 CLKM Share	126	126	126	126	126	126	126	126	126	126
6 DOPD Share	15	15	15	15	15	15	15	15	15	15
7 PGE Share	66	66	66	66	66	66	66	66	66	66
8 PPL Share	29	29	29	29	29	29	29	29	29	29
9 PSE Share	213	213	213	213	213	213	213	213	213	213
10 Rocky Reach After Enc	548	548	548	548	548	548	548	548	548	548
<i>-Rock Island PH#1-</i>										
11 Rock Island PH#1	131	131	131	131	131	131	131	131	131	131
12 Rock Island PH#1 Before Enc	131	131	131	131	131	131	131	131	131	131
<i>-Rock Island PH#1-</i>										
13 CHPD Share	86	86	86	86	86	86	86	86	86	86
14 PSE Share	86	86	86	86	86	86	86	86	86	86
15 Rock Island PH#1 After Enc	172	172	172	172	172	172	172	172	172	172
<i>-Rock Island PH#2-</i>										
16 Rock Island PH#2	90	90	90	90	90	90	90	90	90	90
17 Rock Island PH#2 Before Enc	90	90	90	90	90	90	90	90	90	90
<i>-Rock Island PH#2-</i>										
18 CHPD Share	58	58	58	58	58	58	58	58	58	58
19 PSE Share	58	58	58	58	58	58	58	58	58	58
20 Rock Island PH#2 After Enc	116	116	116	116	116	116	116	116	116	116

Table A-20
Wanapum & Priest Rapids Allocation
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Wanapum-										
1 Wanapum	433	433	433	433	433	433	433	433	433	433
2 Wanapum Before Enc	433	433	433	433	433	433	433	433	433	433
-Wanapum-										
3 AVWP Share	30	30	30	30	19	14	14	14	13	13
4 COPD Share	9.8	9.8	9.8	9.8	6.2	4.7	4.7	4.4	4.3	4.3
5 CWPC Share	0	0	0	0	0.3	0.4	0.4	0.4	0.4	0.4
6 EWEB Share	8.3	8.3	8.3	8.3	5.3	4.0	4.0	4.0	3.7	3.6
7 FGRV Share	2.5	2.5	2.5	2.5	1.7	1.4	1.4	1.4	1.4	1.4
8 FREC Share	0	0	0	0	0.4	0.5	0.5	0.5	0.5	0.5
9 GCPD Share	132	132	132	132	178	202	204	206	208	210
10 ICLP Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0	0	0	0	0.3	0.4	0.4	0.4	0.4	0.4
12 KOOT Share	0	0	0	0	0.5	0.7	0.7	0.7	0.7	0.7
13 LREC Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
14 LVE Share	0	0	0	0	0.7	1.0	1.0	1.0	1.0	1.0
15 MCMN Share	2.5	2.5	2.5	2.5	1.7	1.4	1.4	1.4	1.4	1.4
16 MTFR Share	2.5	2.5	2.5	2.5	1.7	1.4	1.4	1.4	1.4	1.4
17 NLEC Share	0	0	0	0	0.5	0.7	0.7	0.7	0.7	0.7
18 PGE Share	68	68	68	68	43	32	32	31	31	30
19 PPL Share	68	68	68	68	43	32	32	31	31	30
20 PSE Share	39	39	39	39	25	18	18	18	18	17
21 RREC Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	0	0	0	0	14	17	17	17	17	16
23 SLEC Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
24 TPU Share	0	0	0	0	14	17	17	17	17	16
25 UNEC Share	0	0	0	0	0.2	0.3	0.3	0.3	0.3	0.3
26 UNKMKT Share	0	0	0	0	8.1	11	11	11	11	11
27 Wanapum After Enc	362	362	362	362	362	362	362	362	362	362
-Priest Rapids-										
28 Priest Rapids	353	353	353	353	353	353	353	353	353	353
29 Priest Rapids Before Enc	353	353	353	353	353	353	353	353	353	353
-Priest Rapids-										
30 AVWP Share	14	9.6	9.6	9.6	13	13	13	13	13	12
31 COPD Share	4.8	3.1	3.1	3.1	4.2	4.3	4.3	4.2	4.1	4.1
32 CWPC Share	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
33 EWEB Share	4	2.7	2.7	2.7	3.6	3.7	3.6	3.6	3.5	3.5
34 FGRV Share	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4
35 FREC Share	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36 GCPD Share	170	214	214	214	188	189	190	192	194	196
37 ICLP Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1.1	0.9	0.9	0.9	0.6	0.5	0.5	0.5	0.5	0.5
39 KOOT Share	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 LVE Share	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
42 MCMN Share	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4
43 MTFR Share	1.3	1.2	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4
44 NLEC Share	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
45 PGE Share	33	22	22	22	29	30	29	29	29	28
46 PPL Share	33	22	22	22	29	30	29	29	29	28
47 PSE Share	19	13	13	13	17	17	17	17	16	16
48 RREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
49 SCL Share	18	12	12	12	16	16	16	16	16	15

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>50 SLEC Share</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>51 TPU Share</i>	18	12	12	12	16	16	16	16	16	15
<i>52 UNEC Share</i>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	15	20	20	20	13	10	10	10	10	10
54 Priest Rapids After Enc	337	337	337	337	337	337	337	337	337	337

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-21
Swift #1 and Swift #2 Allocation
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Swift 1-</i>										
1 Swift 1	61	61	61	61	61	61	61	61	61	61
2 Swift 1 Before Enc	61	61	61	61	61	61	61	61	61	61
<i>-Swift 1-</i>										
3 COPD Share	16	16	16	16	16	16	16	16	16	16
4 PPL Share	46	46	46	46	46	46	46	46	46	46
5 Swift 1 After Enc	61	61	61	61	61	61	61	61	61	61
<i>-Swift 2-</i>										
6 Swift 2	22	22	22	22	22	22	22	22	22	22
7 Swift 2 Before Enc	22	22	22	22	22	22	22	22	22	22
<i>-Swift 2-</i>										
8 COPD Share	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
9 PPL Share	16	16	16	16	16	16	16	16	16	16
10 Swift 2 After Enc	22	22	22	22	22	22	22	22	22	22

Table A-22
BPA Power Sales Contracts
Annual OY 2006 – 2015
Average Energy 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
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-Federal Entities-										
1 BPA To Federal Entities	118	124	131	142	144	146	147	148	150	151
2 Total Federal Entities	118	124	131	142	144	146	147	148	150	151
-U.S. Bureau of Reclamation-										
3 BPA To U.S. Bureau of Reclamation	149	149	149	149	149	149	149	149	149	149
4 Total U.S. Bureau of Reclamation	149	149	149	149	149	149	149	149	149	149
-Direct Service Industry-										
5 BPA To Direct Service Industry	271	45	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	271	45	0	0	0	0	0	0	0	0
-Generating Public Entities-										
7 BPA To Generating Public Entities	2098	2350	2402	2414	2430	2444	2438	2452	2462	2478
8 Total Generating Public Entities	2098	2350	2402	2414	2430	2444	2438	2452	2462	2478
-Generating Public Entities (Slice)-										
9 BPA To Generating Public Entities (Slice)	1021	1019	1043	1030	1041	1028	1048	1034	1054	1039
10 Total Generating Public Entities (Slice)	1021	1019	1043	1030	1041	1028	1048	1034	1054	1039
-Non-Generating Public Entities-										
11 BPA To Non-Generating Public Entities	2749	2901	2961	2989	3025	3066	3088	3115	3144	3177
12 Total Non-Generating Public Entities	2749	2901	2961	2989	3025	3066	3088	3115	3144	3177
-Non-Generating Public Entities (Slice)-										
13 BPA To Non-Generating Public Entities (Slice)	613	612	626	619	625	617	629	621	633	624
14 Total Non-Generating Public Entities (Slice)	613	612	626	619	625	617	629	621	633	624
-Investor-Owned Entities-										
15 BPA To Investor-Owned Entities	382	64	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	382	64	0	0	0	0	0	0	0	0
-Other Entities-										
17 BPA To Other PNW Entities	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0
-Power Sales Contracts-										
19 Federal Entities	118	124	131	142	144	146	147	148	150	151
20 U.S. Bureau of Reclamation	149	149	149	149	149	149	149	149	149	149
21 Direct Service Industry	271	45	0	0	0	0	0	0	0	0
22 Generating Public Entities	3119	3369	3445	3445	3470	3472	3485	3486	3516	3517
23 Non-Generating Public Entities	3362	3513	3587	3608	3650	3683	3717	3736	3776	3801
24 Investor-Owned Entities	382	64	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7401	7265	7312	7343	7414	7450	7499	7519	7592	7618

Table A-23
Non-Utility Generating Resources By Owner
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Federal Entities-</i>										
1 Federal Entities	88	65	106	115	115	115	115	115	115	115
2 Total Federal Entities	88	65	106	115	115	115	115	115	115	115
<i>-Generating Public Entities-</i>										
3 Generating Public Entities	239	239	239	239	239	239	239	239	239	239
4 Total Generating Public Entities	239	239	239	239	239	239	239	239	239	239
<i>-Non-Generating Public Entities-</i>										
5 Non-Generating Public Entities	6.8	4.4	4.4	4.4	4.3	4.1	4.1	4.1	4.1	4.1
6 Total Non-Generating Public Entities	6.8	4.4	4.4	4.4	4.3	4.1	4.1	4.1	4.1	4.1
<i>-Investor-Owned Entities-</i>										
7 Investor-Owned Entities	891	921	920	921	921	925	925	925	925	926
8 Total Investor-owned Entities	891	921	920	921	921	925	925	925	925	926
<i>-Other Entities-</i>										
9 Other Entities	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>										
11 Federal Entities	88	65	106	115	115	115	115	115	115	115
12 Public Entities	246	244	244	244	244	243	243	243	243	243
13 Investor-Owned Entities	891	921	920	921	921	925	925	925	925	926
14 Other Entities	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1258	1262	1303	1311	1312	1315	1315	1316	1316	1316

Table A-24
Regional Non-Utility Generating Resources By Project
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
Federal Entities										
-NUG: Hydro-										
1 Dworshak/Clearwater Small Hydropower (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2 Elwah Hydro (BPA)	8.6	0	0	0	0	0	0	0	0	0
3 Glines Hydro (BPA)	15	0	0	0	0	0	0	0	0	0
4 Federal -Total NUG: Hydro	26	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-NUG: Renewables-										
5 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0
6 Condon Wind Project (BPA)	12	12	12	12	12	12	12	12	12	12
7 Foote Creek 1 (BPA)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
8 Foote Creek 2 (BPA)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
9 Foote Creek 4 (BPA)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
10 Klondike Phase 1 (BPA)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
11 Stataline Wind Project (BPA)	28	28	28	28	28	28	28	28	28	28
12 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0
13 Fourmile Hill Geothermal (BPA)	0	0	42	50	50	50	50	50	50	50
14 Federal -Total NUG: Renewables	62	62	104	112	112	112	112	112	112	112
Generating Public Entities										
-NUG: Hydro-										
15 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0
16 Elltopia Br Canal 4.6 (SCL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Elltopia Br Canal 4.6 (TPU)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0
19 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0
20 Lucky Peak (SCL)	38	38	38	38	38	38	38	38	38	38
21 Main Canal Headworks (SCL)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
22 Main Canal Headworks (TPU)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
23 PEC Headworks (GCPD)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
24 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0
25 Potholes E Canal 66.0 (SCL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26 Potholes E Canal 66.0 (TPU)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27 Quincy Chute (GCPD)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
28 Russel D. Smith (SCL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
29 Russel D. Smith (TPU)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
30 Smith Creek (EWEB)	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
31 Summer Falls (SCL)	18	18	18	18	18	18	18	18	18	18
32 Summer Falls (TPU)	18	18	18	18	18	18	18	18	18	18
33 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
34 GPU - Total NUG: Hydro	105	105	105	105	105	105	105	105	105	105
-NUG: Small Thermal & Misc.-										
35 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5
36 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14
37 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-										
38 Metro Westpoint (SCL)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
39 Scott Paper (SHPD)	33	33	32	32	32	32	32	32	32	32
40 GPU - Total NUG: Co-Generation	34	34	34	34	34	34	34	34	34	34
-NUG: Renewables-										
41 Foote Creek 1 (EWEB)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
42 Nine Canyon Wind Project (CHPD)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
43 Nine Canyon Wind Project (COPD)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
44 Nine Canyon Wind Project (DOPD)	3	3	3	3	3	3	3	3	3	3
45 Nine Canyon Wind Project (GCPD)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
46 Nine Canyon Wind Project (GHPD)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
47 Nine Canyon Wind Project (OKPD)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
48 Stataline Wind Project (EWEB)	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
49 Stataline Wind Project (SCL)	54	54	54	54	54	54	54	54	54	54
50 GPU - Total NUG: Renewables	82	82	82	82	82	82	82	82	82	82
Non-Generating Public Entities										
-NUG: Hydro-										
51 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
52 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0
53 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0
54 Lillwaup Falls Generating Co. (MCPD1)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
55 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.1	0	0	0	0	0
56 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0
57 NGP - Total NUG: Hydro	1.2	1.2	1.2	1.2	1	0.9	0.9	0.9	0.9	0.9
-NUG: Small Thermal & Misc.-										
58 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 NGP - Total NUG: Small Thermal & Misc.	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-NUG: Co-Generation-										
60 Cogen Co (OTEC)	2.3	0	0	0	0	0	0	0	0	0
61 NGP - Total NUG: Co-Generation	2.3	0	0	0	0	0	0	0	0	0

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
-NUG: Renewables-										
62 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0
63 Nine Canyon Wind Project (BCPD)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Nine Canyon Wind Project (ENW)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65 Nine Canyon Wind Project (LCPD)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
66 Nine Canyon Wind Project (MCPD3)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0
68 NGP - Total NUG: Renewables	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Investor-Owned Entities										
-NUG: Hydro-										
69 Barber Dam (IPC)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0
71 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0
72 Bell Mountain (UPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
73 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
74 Birch Creek (IPC)	0	0	0	0	0	0	0	0	0	0
75 Birch Creek (UPL)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
76 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
77 Black Creek (AVWP)	2.8	2.9	2.9	3.1	3	2.9	2.8	2.8	3.0	3.1
78 Blind Canyon Hydro (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
79 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
81 Broadwater Dam (NWE)	1.6	1.7	1.7	1.7	1.8	1.9	2.0	2	2	2
82 Bypass (IPC)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
83 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
84 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0
85 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0
86 CDM Hydro - Bonneville Pacific (PPL)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
87 Cedar Draw (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
88 Central OR Irrigation District (PPL)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
89 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90 Commercial Energy Management (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
91 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0
92 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0
93 Crystal Springs (IPC)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
94 Curry Cattle Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0
96 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0
97 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0
98 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
99 Dietrich Drop (IPC)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
100 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
101 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0
102 Eagle Point Irrigation Dist. (PPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103 Elk Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
104 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105 Falls Creek (PPL)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
106 Falls River (IPC)	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
107 Farmers Irrig. (PPL)	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
108 Faulkner Ranch (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
109 Fisheries Development Co (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
110 Galesville Dam (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
111 Geobon 2 (IPC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
112 Georgetown Power (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
113 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114 Hazelton A (IPC)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
115 Hazelton B (IPC)	3	3	3	3	3	3	3	3	3	3
116 Horseshoe Bend (IPC)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
117 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
118 Ingram Warm Springs (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
119 Jim Ford Creek (AVWP)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120 Jim Knight (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
122 Kasel & Witherspoon (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
123 Koma Kulshan (PSE)	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
124 Koyle (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0
126 Lacombe Irrig. (PPL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
128 Lateral #10 (IPC)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
129 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
130 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0
131 Little Wood River Res. (IPC)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
132 Littlewood/Arkoosh (IPC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
133 Lowline #2 (IPC)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
134 Lowline Canal (IPC)	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
135 Magic Reservoir (IPC)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
136 Malad River (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137 Marcos Ranches (IPC)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
138 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139 Meyers Falls (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140 Middlefork Irrig. (PPL)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
141 Mile 28 (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
142 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0
143 Mink Creek (UPL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
144 Mitchell Butte (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0
146 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Mud Creek/S&S (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
148 Mud Creek/White (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
149 Nichols Gap (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
151 North Fork Sprague (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152 O.J. Power (UPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0
154 Opal Springs (PPL)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
155 Owyhee Dam (IPC)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
156 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0
157 Pellon Rereg. Dam (PPL)	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
158 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0
159 Phillipsburg (NWE)	0	0	0	0	0	0	0	0	0	0
160 Pigeon Cove (IPC)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Portland (PGE)	0	0	0	0	0	0	0	0	0	0
163 Portland Hydro Project (PGE)	12	12	12	12	12	12	12	12	12	12
164 Preston City (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165 Pristine Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
168 Rim View (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
169 Rock Creek #1 (IPC)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
170 Rock Creek #2 (IPC)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
171 Sagebrush (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172 Salem (PGE)	0	0	0	0	0	0	0	0	0	0
173 Schaffner (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
174 Sheep Creek (AVWP)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175 Shingle Creek (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
176 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177 Shoshone II (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
178 Snake River Pottery (IPC)	0	0	0	0	0	0	0	0	0	0
179 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
180 Solar Research (PPL)	0	0	0	0	0	0	0	0	0	0
181 South Dry Creek (NWE)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
182 Spokane Upriver (AVWP)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
183 Stauffer Dry Creek (UPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
184 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
185 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Tiber Dam Liberty Montana (IPC)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
187 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
188 Tunnel #1 (IPC)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
189 Twin Falls (PSE)	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
190 Walla Walla (PPL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
191 Water Street / Santiam (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
192 Weeks Falls (PSE)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
193 White James (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
194 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Wilson Lake Hydro (IPC)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
196 Wisconsin Creek (NWE)	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1
197 Yakima-Tieton (PPL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
198 IOU - Total NUG: Hydro	149	150	150	150	150	150	150	150	150	150
-NUG: Small Thermal & Misc.-										
199 Marion Solid Waste (PGE)	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
200 Montana One (NWE)	7.7	8.1	8.0	8	8.3	9.3	9.4	9.7	9.6	9.6
201 Pocatello Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
202 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15
203 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
204 IOU - Total NUG: Small Thermal & Misc.	33	33	33	33	33	34	34	35	34	34
-NUG: Combustion Turbines -										
205 Rathdrum - Boekel Rd. #1 (AVWP)	66	66	66	66	66	66	66	66	66	66
206 Rathdrum - Boekel Rd. #2 (AVWP)	66	66	66	66	66	66	66	66	66	66
207 Tenaska Gas Cogen (PSE)	215	235	235	235	235	235	235	235	235	235
208 IOU - Total NUG: Combustion Turbines	348	367	367	367	367	367	367	367	367	367
-NUG: Co-Generation-										
209 Billings Generation (NWE)	13	14	14	14	14	16	16	17	17	17
210 Biomass One (PPL)	19	19	19	19	19	19	19	19	19	19
211 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
212 Champion (PPL)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
213 DR Johnson - Co-Gen II (PPL)	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
214 Magic Valley (IPC)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
215 Magic West (IPC)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
216 March Point #1 (PSE)	70	77	77	77	77	77	77	77	77	77
217 March Point #2 (PSE)	58	58	58	58	58	58	58	58	58	58
218 PERC Pierce, Wa (PSE)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
219 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12
220 Sumas Energy (PSE)	120	120	120	120	120	120	120	120	120	120
221 Tamarack (IPC)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
222 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
223 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0
224 Vaagen Bros. (IPC)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
225 Warm Springs (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
226 IOU - Total NUG: Co-Generation	340	348	348	348	348	350	350	350	350	350
-NUG: Renewables-										
227 Emmett Biomass Project (IPC)	7.4	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
228 Foote Creek 1 (PPL)	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
229 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0
230 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0
231 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0
232 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0
233 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2
234 Stateline Wind Project (AVWP)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
235 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0
236 IOU - Total NUG: Renewables	21	23	23	23	23	23	23	23	23	23
Other Entities										
-NUG: Co-Generation-										
237 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25
238 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-										
239 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0
240 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
241 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-										
242 Federal Entities	88	65	106	115	115	115	115	115	115	115
243 Generating Public Entities	239	239	239	239	239	239	239	239	239	239
244 Non Generating Public Entities	6.8	4.4	4.4	4.4	4.3	4.1	4.1	4.1	4.1	4.1
245 Investor-Owned Entities	891	921	920	921	921	925	925	925	925	926
246 Other Entities	32	32	32	32	32	32	32	32	32	32
247 Total Non-Utility Generation	1258	1262	1303	1311	1312	1315	1315	1316	1316	1316

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-25
Dedicated Resources
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	2093	2025	2033	2049	2008	2008	2146	2179	2184	2205
2 Total Generating Public Entities	2093	2025	2033	2049	2008	2008	2146	2179	2184	2205
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	103	87	84	83	82	82	76	74	74	75
4 Total Non-Generating Public Entities	103	87	84	83	82	82	76	74	74	75
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	6951	6823	6937	6947	6903	6829	6694	6644	6709	6711
6 Total Investor-owned Entities	6951	6823	6937	6947	6903	6829	6694	6644	6709	6711
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	2093	2025	2033	2049	2008	2008	2146	2179	2184	2205
8 Small & Non Generating Entities	103	87	84	83	82	82	76	74	74	75
9 Investor-Owned Entities	6951	6823	6937	6947	6903	6829	6694	6644	6709	6711
10 Regional Total Dedicated Resources	9147	8935	9054	9080	8994	8919	8916	8897	8968	8990

Table A-26
Other Dedicated Resources
Annual OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2006 - 2015 Operating Years
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	4563	4661	4720	4708	4748	4741	4767	4754	4804	4790
2 Total Generating Public Entities	4563	4661	4720	4708	4748	4741	4767	4754	4804	4790
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	4047	4199	4287	4301	4349	4375	4421	4434	4488	4504
4 Total Non-Generating Public Entities	4047	4199	4287	4301	4349	4375	4421	4434	4488	4504
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	5320	5230	4953	4716	4754	4597	4356	4361	4357	4385
6 Total Investor-owned Entities	5320	5230	4953	4716	4754	4597	4356	4361	4357	4385
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	4563	4661	4720	4708	4748	4741	4767	4754	4804	4790
8 Non Generating Entities	4047	4199	4287	4301	4349	4375	4421	4434	4488	4504
9 Investor-Owned Entities	5320	5230	4953	4716	4754	4597	4356	4361	4357	4385
10 Regional Total Dedicated Resources	13930	14090	13961	13725	13851	13712	13544	13549	13649	13678

Section 4
Monthly Federal Tables
Loads & Resources
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Federal Tables
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	117	117	106	108	125	135	138	132	122	108	108	106	108	117	118
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	265	265	265	272	272	272	272	272	272	272	272	272	272	272	271
<i>Total Firm Non-Utility Obligations</i>	695	661	542	508	397	407	410	405	414	628	691	641	679	720	538
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2645	2645	2417	2478	2778	3113	3174	3077	2745	2584	2577	2570	2642	2764	2749
<i>GPU 2002 PSC Sale</i>	1710	1710	1816	1850	2182	2442	2576	2493	2370	2180	2174	2029	1816	1712	2098
<i>NGP Slice Sale</i>	838	645	500	602	665	669	547	521	567	534	509	601	704	718	613
<i>GPU Slice Sale</i>	1395	1074	833	1003	1107	1114	911	867	945	890	847	1001	1172	1195	1021
<i>IOU 2002 PSC Sale</i>	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
<i>Exports</i>	1048	1049	1037	943	940	954	950	948	938	951	949	984	987	943	969
<i>Intra-Regional Transfers (Out)</i>	1003	1008	393	346	648	661	659	603	450	367	368	172	231	281	485
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	9021	8514	7379	7604	8701	9336	9200	8890	8396	7886	7806	7738	7934	7994	8316
<i>Total Firm Obligations</i>	9717	9175	7921	8113	9098	9743	9610	9295	8810	8514	8497	8379	8613	8715	8854
Hydro Resources															
<i>Regulated Hydro</i>	9278	6907	5151	6342	7050	7171	5752	5427	5931	5577	5248	6096	7328	7811	6464
<i>Independent Hydro</i>	440	438	373	386	305	237	176	196	275	434	518	714	749	454	398
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	141	141	141	141	141	141	141	141	141	136	136	136	136	136	139
<i>Total Hydro Resources</i>	9859	7487	5665	6869	7497	7550	6069	5765	6347	6146	5901	6945	8213	8401	7001
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	184	184	217	249	318	376	351	305	275	272	239	102	124	203	247
<i>Intra-Regional Transfers (In)</i>	1422	1425	1567	1520	1568	1503	1161	1151	1128	873	871	756	874	996	1210
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	80	78	55	72	96	100	102	94	87	110	109	103	91	72	88
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	2713	2714	2867	2868	3012	3009	2645	2581	2520	2284	2250	1988	2116	2298	2574
<i>Total Resources</i>	12572	10201	8532	9738	10508	10559	8714	8346	8867	8431	8151	8933	10328	10699	9575
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-355	-288	-241	-275	-296	-298	-246	-235	-250	-238	-230	-252	-291	-302	-270
<i>Total Reserves, Maintenance & Losses</i>	-355	-288	-241	-275	-296	-298	-246	-235	-250	-238	-230	-252	-291	-302	-270
<i>Total Net Resources</i>	12217	9913	8291	9463	10212	10261	8469	8110	8617	8193	7921	8681	10037	10397	9305
<i>Total Firm Surplus/Deficit</i>	2501	738	370	1350	1114	518	-1141	-1185	-193	-321	-576	302	1424	1683	451

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	118	118	106	114	132	144	146	141	129	115	115	112	114	123	124
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	272	272	272	0	0	0	0	0	0	0	0	0	0	0	45
<i>Total Firm Non-Utility Obligations</i>	703	669	549	243	133	144	146	142	149	362	425	375	413	455	319
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2677	2677	2455	2627	2960	3254	3349	3245	2908	2743	2736	2751	2864	2986	2901
<i>GPU 2002 PSC Sale</i>	1784	1784	1876	2237	2623	2913	2941	2883	2684	2343	2336	2156	1895	1866	2350
<i>NGP Slice Sale</i>	843	650	506	612	675	679	557	530	577	544	518	558	645	728	612
<i>GPU Slice Sale</i>	1404	1083	842	1019	1124	1131	927	883	961	906	863	928	1075	1213	1019
<i>IOU 2002 PSC Sale</i>	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
<i>Exports</i>	894	894	888	643	639	653	650	647	637	648	649	682	685	682	696
<i>Intra-Regional Transfers (Out)</i>	251	252	291	291	592	605	602	547	394	361	362	167	227	226	380
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8236	7723	7240	7428	8612	9236	9026	8734	8160	7545	7465	7241	7392	7701	8021
<i>Total Firm Obligations</i>	8939	8392	7789	7672	8745	9380	9173	8876	8310	7907	7890	7616	7805	8156	8340
Hydro Resources															
<i>Regulated Hydro</i>	9303	6930	5175	6370	7083	7205	5778	5451	5956	5604	5272	6121	7360	7846	6492
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	136	136	136	136	136	136	136	136	136	132	132	132	132	132	134
<i>Total Hydro Resources</i>	9880	7504	5683	6893	7525	7578	6090	5783	6367	6170	5922	6968	8242	8433	7025
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	184	184	216	250	318	377	300	255	224	227	187	102	123	154	226
<i>Intra-Regional Transfers (In)</i>	1024	1022	1167	693	739	674	324	312	290	285	285	167	286	159	510
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	56	56	49	62	72	73	75	71	65	68	68	64	67	56	65
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	2291	2289	2459	2032	2159	2154	1731	1668	1609	1610	1570	715	670	1396	1706
<i>Total Resources</i>	12170	9793	8143	8925	9683	9731	7821	7452	7976	7780	7492	7683	8912	9829	8731
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-343	-276	-230	-252	-273	-274	-221	-210	-225	-219	-211	-217	-251	-277	-246
<i>Total Reserves, Maintenance & Losses</i>	-343	-276	-230	-252	-273	-274	-221	-210	-225	-219	-211	-217	-251	-277	-246
<i>Total Net Resources</i>	11827	9517	7913	8673	9410	9457	7600	7241	7751	7561	7281	7466	8661	9552	8485
<i>Total Firm Surplus/Deficit</i>	2888	1125	124	1001	665	77	-1573	-1634	-559	-347	-609	-150	856	1396	144

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	124	124	112	120	139	151	154	148	136	120	120	117	120	129	131
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	438	404	284	249	139	151	154	149	156	368	431	380	419	461	280
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2905	2905	2617	2656	2993	3291	3387	3279	2941	2773	2766	2781	2896	3019	2961
<i>GPU 2002 PSC Sale</i>	1970	1970	2177	2251	2640	2931	2959	2884	2700	2357	2351	2170	1909	1879	2402
<i>NGP Slice Sale</i>	852	658	512	615	679	683	560	533	579	547	521	612	717	732	626
<i>GPU Slice Sale</i>	1419	1095	853	1024	1131	1138	932	887	965	911	867	1020	1194	1220	1043
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	675	675	666	641	636	651	648	646	633	646	638	666	666	665	653
<i>Intra-Regional Transfers (Out)</i>	197	197	236	291	592	605	602	540	394	361	362	167	227	226	370
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8018	7501	7062	7479	8670	9299	9088	8768	8213	7595	7506	7417	7609	7742	8055
<i>Total Firm Obligations</i>	8455	7905	7346	7728	8810	9451	9242	8917	8368	7963	7937	7797	8028	8202	8335
Hydro Resources															
<i>Regulated Hydro</i>	9358	6971	5203	6407	7131	7252	5812	5483	5984	5633	5296	6136	7392	7894	6527
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	132	132	132	132	132	132	132	132	132	130	130	130	130	130	131
<i>Total Hydro Resources</i>	9931	7542	5708	6925	7568	7621	6120	5812	6391	6197	5944	6982	8272	8479	7057
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	134	134	165	200	268	326	299	254	225	225	173	83	101	132	199
<i>Intra-Regional Transfers (In)</i>	184	184	329	318	364	300	324	305	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	56	56	49	112	122	122	125	121	114	117	117	114	117	106	106
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1401	1401	1570	1658	1783	1780	1780	1711	1660	1657	1606	1390	1531	1424	1610
<i>Total Resources</i>	11331	8943	7278	8583	9352	9400	7901	7523	8051	7855	7550	8372	9803	9904	8667
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-320	-252	-205	-242	-264	-265	-223	-212	-227	-222	-213	-236	-276	-279	-244
<i>Total Reserves, Maintenance & Losses</i>	-320	-252	-205	-242	-264	-265	-223	-212	-227	-222	-213	-236	-276	-279	-244
<i>Total Net Resources</i>	11012	8691	7073	8341	9088	9135	7678	7311	7824	7633	7337	8136	9527	9625	8423
<i>Total Firm Surplus/Deficit</i>	2556	786	-273	613	278	-316	-1564	-1606	-544	-330	-600	339	1499	1422	88

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	130	130	118	131	152	165	167	161	147	131	130	127	130	140	142
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	444	410	289	260	152	165	168	162	168	379	441	390	429	471	291
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2936	2936	2645	2682	3023	3324	3421	3288	2970	2801	2794	2808	2925	3048	2989
<i>GPU 2002 PSC Sale</i>	1984	1984	2191	2263	2653	2945	2974	2891	2713	2369	2363	2182	1920	1890	2414
<i>NGP Slice Sale</i>	855	661	515	618	682	686	563	535	582	550	523	562	651	736	619
<i>GPU Slice Sale</i>	1425	1100	857	1029	1136	1143	937	892	969	915	871	935	1084	1225	1030
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	644	642	638	578	572	581	579	578	571	590	590	618	619	613	598
<i>Intra-Regional Transfers (Out)</i>	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8041	7521	7083	7461	8657	9285	9075	8730	8200	7587	7504	7272	7426	7739	8021
<i>Total Firm Obligations</i>	8485	7930	7372	7721	8808	9450	9242	8892	8367	7965	7945	7662	7855	8211	8312
Hydro Resources															
<i>Regulated Hydro</i>	9383	6991	5217	6424	7151	7272	5829	5498	6001	5650	5309	6149	7409	7918	6545
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	130	130	130	130	130	130	130	130	130	137	137	137	137	137	132
<i>Total Hydro Resources</i>	9954	7560	5720	6940	7586	7639	6135	5825	6406	6221	5964	7001	8296	8509	7076
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	109	111	145	182	251	304	278	233	204	203	173	83	101	132	184
<i>Intra-Regional Transfers (In)</i>	184	184	329	318	364	300	324	312	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1426	1428	1600	1640	1766	1758	1759	1697	1639	1636	1606	745	698	1424	1481
<i>Total Resources</i>	11379	8988	7320	8580	9353	9397	7893	7522	8045	7857	7570	7746	8994	9934	8557
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-321	-253	-206	-242	-264	-265	-223	-212	-227	-222	-213	-218	-254	-280	-241
<i>Total Reserves, Maintenance & Losses</i>	-321	-253	-206	-242	-264	-265	-223	-212	-227	-222	-213	-218	-254	-280	-241
<i>Total Net Resources</i>	11058	8734	7114	8338	9089	9132	7671	7310	7818	7636	7356	7528	8741	9654	8315
<i>Total Firm Surplus/Deficit</i>	2574	804	-258	617	281	-318	-1572	-1583	-549	-330	-588	-134	885	1443	3.6

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	141	141	127	132	153	166	169	163	149	132	132	128	131	141	144
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	454	420	299	261	153	166	169	164	169	380	442	391	430	473	294
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2965	2965	2672	2711	3056	3361	3464	3355	3005	2834	2827	2841	2958	3083	3025
<i>GPU 2002 PSC Sale</i>	1995	1995	2202	2277	2668	2961	2990	2928	2729	2383	2376	2195	1932	1903	2430
<i>NGP Slice Sale</i>	852	657	510	613	678	682	558	531	578	546	519	611	716	733	625
<i>GPU Slice Sale</i>	1418	1093	850	1022	1129	1136	929	884	962	910	865	1017	1193	1220	1041
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	712	712	709	675	670	679	676	675	669	689	689	717	711	704	691
<i>Intra-Regional Transfers (Out)</i>	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8138	7619	7179	7589	8792	9424	9221	8920	8336	7723	7639	7548	7737	7869	8181
<i>Total Firm Obligations</i>	8593	8039	7478	7850	8945	9590	9390	9083	8505	8103	8081	7940	8168	8342	8475
Hydro Resources															
<i>Regulated Hydro</i>	9408	7011	5231	6441	7171	7293	5845	5513	6017	5668	5323	6162	7426	7941	6562
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	137	137	137	137	137	137	137	137	137	141	141	141	141	141	138
<i>Total Hydro Resources</i>	9985	7587	5741	6964	7613	7667	6158	5847	6429	6243	5982	7018	8317	8537	7099
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	109	111	145	182	251	304	279	233	203	203	173	83	94	125	183
<i>Intra-Regional Transfers (In)</i>	184	184	329	318	364	300	324	312	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1426	1428	1600	1639	1767	1758	1760	1697	1638	1636	1606	1390	1524	1417	1603
<i>Total Resources</i>	11411	9015	7341	8603	9380	9424	7917	7543	8066	7879	7588	8408	9842	9954	8702
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-322	-254	-207	-243	-265	-266	-223	-213	-227	-222	-214	-237	-278	-281	-245
<i>Total Reserves, Maintenance & Losses</i>	-322	-254	-207	-243	-265	-266	-223	-213	-227	-222	-214	-237	-278	-281	-245
<i>Total Net Resources</i>	11089	8760	7134	8360	9115	9158	7694	7331	7839	7657	7374	8171	9564	9673	8457
<i>Total Firm Surplus/Deficit</i>	2496	721	-344	510	170	-432	-1696	-1753	-666	-446	-708	231	1396	1331	-18

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	142	142	129	133	154	168	170	164	150	133	133	129	132	143	146
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	456	422	300	262	154	168	171	165	170	381	443	392	431	474	295
Transfers Out															
<i>NGP 2002 PSC Sale</i>	2999	3195	2703	2743	3092	3400	3500	3390	3035	2862	2855	2870	2987	3113	3066
<i>GPU 2002 PSC Sale</i>	2007	2009	2215	2290	2683	2977	3007	2943	2744	2397	2391	2209	1945	1915	2444
<i>NGP Slice Sale</i>	855	660	513	616	681	685	561	534	580	548	521	559	650	735	617
<i>GPU Slice Sale</i>	1424	1099	854	1026	1134	1141	934	889	967	913	868	932	1082	1224	1028
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	661	663	659	635	634	643	640	639	632	651	650	677	677	671	652
<i>Intra-Regional Transfers (Out)</i>	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8143	7822	7180	7602	8815	9452	9245	8942	8353	7733	7648	7414	7568	7885	8177
<i>Total Firm Obligations</i>	8599	8244	7480	7864	8969	9620	9415	9107	8523	8114	8091	7806	7999	8360	8472
Hydro Resources															
<i>Regulated Hydro</i>	9429	7029	5244	6456	7188	7311	5859	5527	6032	5683	5334	6173	7441	7962	6577
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	141	141	141	141	141	141	141	141	141	139	139	139	139	139	140
<i>Total Hydro Resources</i>	10011	7609	5758	6983	7635	7689	6176	5864	6447	6257	5992	7027	8330	8556	7117
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	103	138	169	240	294	268	223	193	193	168	76	94	124	175
<i>Intra-Regional Transfers (In)</i>	184	184	329	318	364	300	324	312	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1421	1420	1593	1626	1755	1747	1749	1687	1628	1626	1601	739	691	1416	1472
<i>Total Resources</i>	11432	9029	7351	8609	9390	9435	7925	7551	8075	7882	7593	7766	9022	9972	8589
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-322	-255	-207	-243	-265	-266	-223	-213	-228	-222	-214	-219	-254	-281	-242
<i>Total Reserves, Maintenance & Losses</i>	-322	-255	-207	-243	-265	-266	-223	-213	-228	-222	-214	-219	-254	-281	-242
<i>Total Net Resources</i>	11110	8775	7143	8366	9125	9169	7702	7338	7847	7660	7379	7547	8767	9691	8346
<i>Total Firm Surplus/Deficit</i>	2511	530	-337	502	156	-451	-1714	-1769	-675	-453	-713	-259	768	1332	-126

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	144	144	130	135	156	169	172	164	151	134	134	130	133	144	147
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	457	423	301	263	156	169	172	165	172	382	445	393	433	476	296
Transfers Out															
<i>NGP 2002 PSC Sale</i>	3024	3024	2727	2769	3121	3437	3531	3416	3062	2886	2879	2899	3029	3161	3088
<i>GPU 2002 PSC Sale</i>	2019	2019	2228	2283	2671	2957	2994	2897	2734	2396	2389	2207	1949	1922	2438
<i>NGP Slice Sale</i>	857	662	515	618	683	687	563	535	582	550	523	614	720	737	629
<i>GPU Slice Sale</i>	1428	1102	857	1029	1137	1145	937	891	970	916	870	1022	1199	1228	1048
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	660	660	655	576	569	569	569	569	568	597	597	625	625	612	600
<i>Intra-Regional Transfers (Out)</i>	197	197	42	108	363	418	391	347	217	188	190	0.1	53	67	199
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8184	7664	7023	7383	8543	9213	8985	8655	8132	7533	7447	7367	7575	7728	8001
<i>Total Firm Obligations</i>	8641	8087	7324	7646	8699	9382	9157	8820	8304	7915	7892	7760	8007	8204	8298
Hydro Resources															
<i>Regulated Hydro</i>	9445	7042	5253	6467	7201	7324	5870	5536	6043	5695	5343	6181	7451	7978	6589
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	139	139	139	139	139	139	139	139	139	138	138	138	138	138	139
<i>Total Hydro Resources</i>	10025	7620	5766	6993	7645	7700	6185	5872	6457	6267	5999	7034	8339	8571	7126
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	104	137	169	239	293	268	223	193	196	168	76	94	125	175
<i>Intra-Regional Transfers (In)</i>	184	184	135	135	135	112	112	112	112	112	112	0	112	0	105
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1421	1421	1398	1443	1525	1559	1537	1487	1450	1456	1428	1217	1350	1258	1424
<i>Total Resources</i>	11446	9042	7164	8436	9171	9259	7722	7359	7907	7723	7426	8251	9690	9829	8550
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-323	-255	-202	-238	-259	-261	-218	-208	-223	-218	-209	-233	-273	-277	-241
<i>Total Reserves, Maintenance & Losses</i>	-323	-255	-202	-238	-259	-261	-218	-208	-223	-218	-209	-233	-273	-277	-241
<i>Total Net Resources</i>	11123	8787	6962	8198	8912	8998	7505	7152	7684	7505	7217	8018	9416	9551	8309
<i>Total Firm Surplus/Deficit</i>	2482	700	-363	552	213	-384	-1652	-1668	-620	-410	-675	257	1409	1348	12

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	145	145	131	135	156	169	174	167	153	136	135	131	134	146	148
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	459	425	302	264	156	169	174	168	173	383	446	395	434	477	297
Transfers Out															
<i>NGP 2002 PSC Sale</i>	3072	3072	2757	2779	3134	3450	3564	3455	3090	2913	2905	2925	3056	3190	3115
<i>GPU 2002 PSC Sale</i>	2020	2020	2223	2292	2681	2969	3008	2967	2746	2407	2400	2218	1960	1933	2452
<i>NGP Slice Sale</i>	860	664	516	620	685	689	565	537	584	552	524	562	653	740	621
<i>GPU Slice Sale</i>	1432	1105	860	1032	1140	1148	940	894	973	919	873	937	1088	1232	1034
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	600	600	598	565	557	557	557	557	556	585	585	612	612	601	580
<i>Intra-Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	188	190	0.1	53	67	184
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7996	7474	6995	7397	8560	9232	9025	8757	8166	7565	7478	7256	7422	7763	7986
<i>Total Firm Obligations</i>	8455	7899	7298	7661	8717	9401	9198	8925	8339	7948	7924	7650	7856	8240	8283
Hydro Resources															
<i>Regulated Hydro</i>	9465	7058	5265	6481	7216	7340	5883	5549	6056	5710	5354	6191	7465	7997	6603
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	138	138	138	138	138	138	138	138	138	136	136	136	136	136	137
<i>Total Hydro Resources</i>	10043	7635	5776	7005	7660	7715	6197	5883	6469	6281	6008	7043	8352	8589	7139
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	104	136	169	239	294	267	223	194	193	168	76	94	125	175
<i>Intra-Regional Transfers (In)</i>	0	0	135	135	135	112	112	112	112	112	112	0	112	0	90
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1237	1237	1397	1444	1526	1560	1536	1487	1452	1453	1428	572	517	1258	1286
<i>Total Resources</i>	11280	8872	7173	8449	9185	9275	7733	7370	7921	7734	7436	7615	8869	9847	8425
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-318	-250	-202	-238	-259	-262	-218	-208	-223	-218	-210	-215	-250	-278	-238
<i>Total Reserves, Maintenance & Losses</i>	-318	-250	-202	-238	-259	-262	-218	-208	-223	-218	-210	-215	-250	-278	-238
<i>Total Net Resources</i>	10962	8622	6971	8211	8926	9013	7515	7163	7697	7516	7227	7400	8619	9569	8187
<i>Total Firm Surplus/Deficit</i>	2507	723	-327	550	210	-388	-1683	-1763	-642	-432	-697	-250	763	1329	-96

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	147	147	132	136	158	171	175	169	154	137	136	133	136	148	150
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	460	426	304	265	158	171	175	170	174	384	447	396	435	479	299
Transfers Out															
<i>NGP 2002 PSC Sale</i>	3100	3100	2782	2808	3166	3486	3599	3463	3122	2941	2934	2954	3085	3220	3144
<i>GPU 2002 PSC Sale</i>	2030	2030	2234	2306	2697	2984	3023	2953	2759	2420	2413	2230	1971	1945	2462
<i>NGP Slice Sale</i>	862	666	518	622	687	691	566	539	586	554	526	617	724	742	633
<i>GPU Slice Sale</i>	1435	1108	862	1035	1143	1151	943	897	976	922	876	1028	1205	1235	1054
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	590	589	588	555	547	547	547	546	546	575	575	602	603	591	570
<i>Intra-Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	188	190	0.1	18	34	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8030	7507	7026	7434	8602	9277	9069	8745	8205	7601	7513	7431	7606	7767	8041
<i>Total Firm Obligations</i>	8490	7933	7330	7699	8760	9448	9244	8915	8379	7985	7960	7827	8041	8246	8340
Hydro Resources															
<i>Regulated Hydro</i>	9481	7071	5275	6492	7229	7353	5894	5559	6067	5722	5362	6199	7476	8013	6614
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	136	136	136	136	136	136	136	136	136	135	135	135	135	135	136
<i>Total Hydro Resources</i>	10058	7647	5784	7015	7671	7726	6206	5891	6479	6291	6015	7050	8361	8603	7149
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	104	104	137	169	239	294	267	223	194	193	168	76	94	125	175
<i>Intra-Regional Transfers (In)</i>	0	0	135	135	135	112	112	112	112	112	112	0	112	0	90
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1237	1236	1398	1444	1525	1560	1536	1487	1451	1453	1428	1217	1350	1258	1409
<i>Total Resources</i>	11294	8883	7182	8459	9196	9286	7742	7379	7930	7744	7443	8266	9711	9862	8558
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-318	-251	-203	-239	-259	-262	-218	-208	-224	-218	-210	-233	-274	-278	-241
<i>Total Reserves, Maintenance & Losses</i>	-318	-251	-203	-239	-259	-262	-218	-208	-224	-218	-210	-233	-274	-278	-241
<i>Total Net Resources</i>	10976	8632	6979	8221	8937	9024	7524	7171	7707	7526	7233	8033	9437	9584	8317
<i>Total Firm Surplus/Deficit</i>	2485	699	-350	522	177	-424	-1720	-1744	-673	-459	-727	206	1396	1337	-23

Loads and Resources - Federal System
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Federal Agencies 2002 PSC Sale</i>	148	148	134	138	160	172	177	170	155	138	137	134	137	149	151
<i>USBR 2002 PSC Sale</i>	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>DSI 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	462	428	305	267	160	173	177	171	176	386	448	397	436	481	300
Transfers Out															
<i>NGP 2002 PSC Sale</i>	3130	3130	2809	2836	3198	3521	3636	3528	3153	2970	2963	2983	3115	3252	3177
<i>GPU 2002 PSC Sale</i>	2043	2043	2247	2318	2710	2999	3039	2996	2773	2433	2427	2242	1984	1958	2478
<i>NGP Slice Sale</i>	863	667	519	623	688	692	567	540	587	555	527	565	656	743	624
<i>GPU Slice Sale</i>	1437	1110	864	1037	1145	1153	945	899	977	924	877	941	1092	1238	1039
<i>IOU 2002 PSC Sale</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	578	576	577	543	534	535	534	534	534	563	563	587	589	574	557
<i>Intra-Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	188	190	0.1	18	34	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8064	7539	7057	7466	8639	9318	9112	8844	8240	7634	7546	7318	7455	7799	8053
<i>Total Firm Obligations</i>	8526	7967	7362	7733	8799	9491	9289	9015	8416	8020	7994	7715	7891	8280	8354
Hydro Resources															
<i>Regulated Hydro</i>	9488	7078	5279	6498	7235	7359	5899	5563	6073	5728	5366	6203	7481	8021	6620
<i>Independent Hydro</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	135	135	135	135	135	135	135	135	135	133	133	133	133	133	134
<i>Total Hydro Resources</i>	10064	7652	5787	7019	7676	7731	6210	5895	6483	6296	6018	7052	8365	8610	7154
Other Resources															
<i>Small Thermal & Misc.</i>	0	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	0
<i>Renewables</i>	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	103	104	137	169	240	293	267	223	194	193	168	76	94	121	175
<i>Intra-Regional Transfers (In)</i>	0	0	112	112	112	112	112	112	112	112	112	0	112	0	84
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>Augmentation Purchases</i>	0	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	0
<i>Total Other Resources</i>	1236	1236	1375	1421	1503	1559	1536	1487	1452	1453	1428	572	517	1254	1279
<i>Total Resources</i>	11300	8888	7162	8440	9179	9290	7746	7382	7934	7749	7446	7624	8882	9864	8433
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maintenance</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Transmission Losses</i>	-319	-251	-202	-238	-259	-262	-218	-208	-224	-219	-210	-215	-250	-278	-238
<i>Total Reserves, Maintenance & Losses</i>	-319	-251	-202	-238	-259	-262	-218	-208	-224	-219	-210	-215	-250	-278	-238
<i>Total Net Resources</i>	10981	8637	6960	8202	8920	9028	7528	7174	7711	7530	7236	7409	8631	9586	8195
<i>Total Firm Surplus/Deficit</i>	2455	671	-402	470	122	-462	-1761	-1841	-705	-489	-759	-306	741	1306	-158

THIS PAGE INTENTIONALLY LEFT BLANK

Section 5
Monthly Regional Tables
Loads & Resources
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Regional Tables
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	19541	19480	18297	18647	20559	22548	23200	22208	20604	19500	19560	19035	19457	20115	20309
<i>Exports</i>	1639	1640	1636	1339	1321	1335	1331	1330	1319	1332	1323	1229	1463	1499	1397
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21180	21120	19933	19986	21880	23883	24531	23538	21924	20832	20883	20264	20920	21614	21707
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21180	21120	19947	19986	21880	23883	24535	23561	21978	20866	20917	20264	20920	21614	21717
Hydro Resources															
<i>Regulated Hydro</i>	13506	10480	8466	10420	11618	11782	9974	8634	9808	9594	9368	9812	13004	12477	10622
<i>Independent Hydro</i>	1042	1069	1003	974	893	974	788	802	949	1217	1273	1561	1597	1154	1083
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14548	11549	9469	11393	12510	12756	10761	9436	10757	10810	10641	11373	14600	13632	11705
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2409	2435	2522	2438	2350	2370	2382	2376	2069	1593	1595	1549	1821	2364	2188
<i>Renewables</i>	80	80	80	81	86	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	1246	1219	1136	1308	1409	1610	1486	1395	1198	1151	1138	988	1132	1356	1283
<i>Large Thermal</i>	6300	6285	6300	5743	6322	6322	6322	6322	6322	6254	6007	5113	6322	6322	6153
<i>Non-Utility Generation</i>	1359	1358	1240	1172	1193	1180	1161	1166	1183	1362	1362	1134	1514	1429	1258
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13515	13498	13404	12875	13500	13703	13581	13485	12375	12578	12319	9916	12995	13665	12954
<i>Total Resources</i>	28063	25047	22873	24269	26010	26459	24342	22921	23132	23388	22961	21289	27595	27296	24660
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-791	-706	-645	-684	-733	-746	-686	-646	-652	-659	-647	-600	-778	-768	-695
<i>Total Reserves, Maintenance & Losses</i>	-821	-730	-653	-693	-737	-746	-686	-646	-657	-667	-655	-620	-792	-818	-707
<i>Total Net Resources</i>	27243	24317	22219	23575	25273	25713	23656	22274	22475	22722	22306	20669	26803	26479	23953
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	6062	3197	2287	3590	3393	1830	-876	-1263	551	1890	1422	405	5883	4865	2246
<i>Total Surplus/Deficit</i>	6062	3197	2273	3590	3393	1830	-879	-1286	496	1856	1389	405	5883	4865	2235

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	19940	19879	18666	19226	21118	23194	23653	22632	20999	20003	20065	19532	19953	20647	20797
<i>Exports</i>	1485	1485	1486	925	906	920	917	915	904	916	909	813	1046	1124	1030
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21425	21364	20152	20151	22024	24114	24570	23547	21903	20919	20974	20345	20999	21771	21826
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21425	21364	20166	20151	22024	24114	24574	23570	21957	20953	21008	20345	20999	21771	21837
Hydro Resources															
<i>Regulated Hydro</i>	13532	10502	8489	10448	11651	11816	10000	8658	9834	9621	9392	9837	13036	12512	10650
<i>Independent Hydro</i>	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14574	11572	9493	11422	12544	12790	10788	9460	10783	10838	10666	11399	14634	13667	11734
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2425	2450	2527	2779	2731	2729	2716	2702	2389	1917	1919	1750	2154	2714	2462
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	1157	1129	1074	1065	1327	1542	1362	1272	1092	1049	1029	948	1152	1239	1188
<i>Large Thermal</i>	6322	6084	5741	5918	6299	6343	6343	6343	6302	6323	5998	3661	4844	6332	5874
<i>Non-Utility Generation</i>	1350	1350	1248	1176	1175	1157	1145	1153	1171	1330	1329	1305	1508	1423	1262
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13454	13214	12795	13153	13754	13992	13794	13696	12557	12837	12492	8796	11863	13902	12858
<i>Total Resources</i>	28028	24786	22288	24575	26298	26782	24582	23156	23340	23675	23159	20195	26496	27569	24592
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-790	-698	-628	-693	-742	-755	-693	-653	-658	-667	-653	-569	-747	-776	-693
<i>Total Reserves, Maintenance & Losses</i>	-820	-723	-637	-702	-745	-755	-693	-653	-663	-675	-660	-589	-761	-825	-705
<i>Total Net Resources</i>	27209	24063	21651	23873	25553	26027	23889	22503	22677	23000	22498	19606	25735	26744	23887
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	5784	2699	1499	3722	3529	1912	-681	-1044	774	2080	1524	-738	4736	4973	2060
<i>Total Surplus/Deficit</i>	5784	2699	1485	3722	3529	1912	-685	-1067	719	2047	1490	-738	4736	4973	2050

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	20453	20392	19148	19633	21538	23624	24088	22969	21363	20388	20449	19905	20342	21067	21210
<i>Exports</i>	1152	1152	1151	897	878	892	889	887	875	888	872	771	946	946	930
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21604	21544	20299	20530	22415	24517	24977	23856	22238	21276	21321	20676	21289	22012	22140
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21604	21544	20313	20530	22415	24517	24980	23879	22293	21310	21355	20676	21289	22012	22151
Hydro Resources															
<i>Regulated Hydro</i>	13586	10544	8518	10484	11698	11863	10034	8690	9862	9650	9416	9853	13068	12560	10686
<i>Independent Hydro</i>	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14629	11613	9521	11459	12591	12837	10822	9492	10812	10867	10690	11415	14666	13715	11769
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2775	2798	2867	2777	2737	2753	2709	2682	2393	1916	1918	1665	2167	2710	2514
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	1134	1107	977	1027	1278	1522	1342	1304	1125	1074	1041	982	1162	1262	1180
<i>Large Thermal</i>	6343	6343	6343	6223	6245	6348	6348	6348	6265	6320	6235	4767	6133	6348	6165
<i>Non-Utility Generation</i>	1350	1350	1249	1227	1225	1207	1195	1204	1222	1380	1379	1355	1550	1472	1303
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13802	13798	13641	13467	13707	14051	13823	13763	12607	12906	12790	9901	13217	13985	13234
<i>Total Resources</i>	28431	25412	23162	24926	26298	26888	24645	23256	23418	23774	23480	21316	27882	27700	25003
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-801	-716	-653	-703	-741	-758	-695	-656	-660	-670	-662	-601	-786	-780	-705
<i>Total Reserves, Maintenance & Losses</i>	-831	-741	-662	-712	-745	-758	-695	-656	-665	-678	-670	-621	-800	-829	-717
<i>Total Net Resources</i>	27600	24671	22501	24214	25553	26130	23950	22600	22753	23096	22810	20696	27082	26871	24287
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	5996	3127	2202	3684	3137	1613	-1027	-1256	514	1820	1489	20	5793	4859	2146
<i>Total Surplus/Deficit</i>	5996	3127	2188	3684	3137	1613	-1030	-1279	460	1786	1455	20	5793	4859	2136

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	20815	20754	19538	19909	21819	23965	24424	23280	21679	20688	20749	20179	20662	21391	21529
<i>Exports</i>	913	911	918	834	813	823	820	819	812	832	824	723	900	894	841
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21728	21665	20457	20743	22632	24788	25244	24099	22491	21520	21573	20902	21562	22284	22370
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21728	21665	20471	20743	22632	24788	25248	24122	22546	21554	21607	20902	21562	22284	22381
Hydro Resources															
<i>Regulated Hydro</i>	13611	10563	8532	10501	11718	11883	10051	8705	9878	9667	9429	9865	13085	12583	10703
<i>Independent Hydro</i>	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14654	11633	9535	11476	12611	12857	10838	9507	10828	10885	10704	11428	14683	13738	11787
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2772	2795	2867	2781	2733	2759	2710	2684	2393	1904	1906	1762	2161	2711	2521
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	968	1122	1065	943	1115	1305	1067	1041	962	911	901	853	917	1088	1026
<i>Large Thermal</i>	6284	5686	5686	6134	6348	6348	6348	6348	6265	6062	6027	4001	5386	6348	5936
<i>Non-Utility Generation</i>	1399	1401	1298	1227	1225	1208	1196	1204	1222	1380	1380	1356	1550	1472	1311
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13624	13205	13122	13299	13643	13841	13549	13503	12444	12474	12431	9105	12219	13812	12867
<i>Total Resources</i>	28278	24838	22658	24774	26254	26698	24388	23010	23272	23358	23134	20532	26902	27550	24654
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-797	-700	-639	-698	-740	-753	-688	-649	-656	-659	-652	-578	-758	-776	-695
<i>Total Reserves, Maintenance & Losses</i>	-827	-724	-647	-707	-744	-753	-688	-649	-661	-666	-660	-598	-773	-825	-707
<i>Total Net Resources</i>	27452	24113	22010	24067	25510	25945	23700	22361	22610	22693	22475	19934	26129	26726	23947
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	5723	2448	1554	3324	2878	1158	-1544	-1738	119	1173	902	-968	4567	4441	1576
<i>Total Surplus/Deficit</i>	5723	2448	1539	3324	2878	1158	-1547	-1761	64	1139	868	-968	4567	4441	1565

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	21127	21065	19831	20183	22166	24271	24696	23621	21939	20928	20989	20440	20927	21654	21815
<i>Exports</i>	982	982	990	931	912	921	918	917	911	931	923	822	992	985	934
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22109	22046	20821	21115	23078	25192	25614	24537	22850	21859	21912	21261	21918	22639	22749
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22109	22046	20835	21115	23078	25192	25617	24560	22905	21893	21946	21261	21918	22639	22760
Hydro Resources															
<i>Regulated Hydro</i>	13636	10583	8546	10518	11738	11904	10067	8720	9895	9685	9443	9878	13102	12607	10721
<i>Independent Hydro</i>	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1612	1169	1086
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14678	11653	9549	11493	12632	12878	10855	9522	10844	10902	10717	11440	14714	13776	11807
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2780	2757	2841	2750	2734	2759	2707	2685	2387	1904	1906	1586	2170	2710	2500
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	956	930	874	885	990	1116	1070	1045	967	915	905	860	963	1040	972
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6205	5537	5597	5544	5919	6348	6168
<i>Non-Utility Generation</i>	1400	1400	1297	1226	1226	1208	1196	1204	1222	1381	1380	1356	1558	1473	1312
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13684	13636	13565	13423	13519	13651	13550	13508	12383	11954	12005	10478	12815	13765	13025
<i>Total Resources</i>	28363	25289	23114	24915	26151	26529	24404	23030	23227	22856	22722	21918	27529	27541	24831
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-799	-712	-652	-702	-737	-748	-688	-649	-655	-644	-641	-618	-776	-775	-700
<i>Total Reserves, Maintenance & Losses</i>	-829	-737	-660	-711	-741	-748	-688	-649	-660	-652	-648	-638	-790	-824	-712
<i>Total Net Resources</i>	27534	24552	22454	24204	25409	25781	23716	22381	22567	22204	22074	21281	26738	26716	24119
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	5425	2505	1634	3089	2332	589	-1898	-2157	-284	345	162	19	4820	4077	1370
<i>Total Surplus/Deficit</i>	5425	2505	1619	3089	2332	589	-1901	-2180	-338	311	128	19	4820	4077	1359

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	21402	21340	20091	20435	22431	24581	25024	23905	22211	21188	21248	20721	21212	21940	22095
<i>Exports</i>	931	932	939	891	875	885	882	881	874	892	884	782	958	951	895
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22333	22273	21030	21326	23306	25466	25906	24786	23085	22080	22132	21502	22170	22891	22990
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22333	22273	21045	21326	23306	25466	25910	24809	23139	22114	22166	21502	22170	22891	23001
Hydro Resources															
<i>Regulated Hydro</i>	13658	10601	8558	10534	11756	11922	10081	8734	9909	9700	9455	9889	13117	12628	10736
<i>Independent Hydro</i>	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14714	11685	9576	11522	12663	12896	10869	9536	10859	10918	10729	11452	14729	13797	11827
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2780	2765	2852	2786	2721	2745	2695	2693	2390	1914	1916	1585	2171	2700	2502
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	914	885	875	877	985	1111	875	849	771	723	717	674	785	856	856
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6205	5493	5399	4587	5515	6348	6044
<i>Non-Utility Generation</i>	1400	1400	1297	1226	1232	1213	1202	1212	1230	1387	1386	1356	1551	1473	1315
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13642	13598	13577	13451	13508	13639	13349	13328	12198	11734	11636	9333	12226	13571	12790
<i>Total Resources</i>	28356	25283	23153	24973	26171	26535	24218	22864	23057	22652	22365	20785	26954	27368	24617
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-799	-712	-653	-704	-738	-748	-683	-645	-650	-639	-630	-586	-760	-770	-694
<i>Total Reserves, Maintenance & Losses</i>	-829	-737	-661	-713	-742	-748	-683	-645	-655	-646	-638	-606	-774	-820	-706
<i>Total Net Resources</i>	27528	24546	22492	24260	25429	25786	23535	22219	22401	22006	21727	20179	26180	26548	23911
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	5194	2273	1462	2934	2123	320	-2371	-2566	-683	-74	-406	-1323	4011	3657	921
<i>Total Surplus/Deficit</i>	5194	2273	1447	2934	2123	320	-2374	-2589	-738	-108	-439	-1323	4011	3657	911

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	21716	21654	20363	20807	22779	24998	25376	24105	22261	21482	21543	21029	21526	22310	22396
<i>Exports</i>	929	929	935	832	810	811	810	810	810	839	831	729	897	884	841
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22645	22584	21299	21639	23589	25809	26187	24916	23071	22321	22374	21758	22423	23194	23237
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22645	22584	21313	21639	23589	25809	26190	24939	23125	22355	22408	21758	22423	23194	23248
Hydro Resources															
<i>Regulated Hydro</i>	13674	10615	8568	10545	11768	11935	10092	8743	9920	9712	9463	9897	13127	12644	10748
<i>Independent Hydro</i>	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14730	11698	9586	11533	12676	12909	10880	9546	10870	10930	10737	11459	14739	13813	11838
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2790	2808	2879	2779	2719	2757	2715	2691	2394	1918	1920	1744	2178	2709	2524
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	737	708	694	697	803	928	884	862	783	734	727	680	781	864	786
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6265	6348	6316	4780	6348	6348	6209
<i>Non-Utility Generation</i>	1400	1400	1298	1227	1233	1213	1203	1212	1228	1387	1387	1356	1551	1473	1315
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13474	13465	13425	13264	13324	13468	13378	13339	12273	12604	12566	9692	13062	13589	12906
<i>Total Resources</i>	28205	25164	23010	24797	25999	26377	24258	22885	23143	23533	23304	21152	27801	27401	24744
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-795	-709	-649	-699	-733	-744	-684	-645	-652	-663	-657	-596	-784	-771	-697
<i>Total Reserves, Maintenance & Losses</i>	-825	-734	-657	-708	-737	-744	-684	-645	-658	-671	-665	-616	-798	-821	-710
<i>Total Net Resources</i>	27380	24430	22353	24089	25263	25633	23574	22239	22485	22863	22639	20536	27003	26581	24034
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	4735	1846	1054	2450	1673	-176	-2613	-2676	-585	542	265	-1223	4580	3387	797
<i>Total Surplus/Deficit</i>	4735	1846	1040	2450	1673	-176	-2616	-2699	-640	508	231	-1223	4580	3387	786

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	22105	22043	20704	21058	23000	25284	25699	24717	22819	21753	21814	21292	21797	22599	22736
<i>Exports</i>	861	861	869	801	778	779	778	778	777	807	799	697	864	852	803
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22965	22904	21574	21860	23778	26063	26477	25496	23597	22560	22613	21990	22661	23452	23539
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22965	22904	21588	21860	23778	26063	26481	25519	23651	22593	22647	21990	22661	23452	23550
Hydro Resources															
<i>Regulated Hydro</i>	13693	10630	8580	10559	11784	11951	10105	8756	9934	9727	9474	9908	13141	12663	10762
<i>Independent Hydro</i>	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14750	11714	9598	11547	12691	12925	10893	9558	10884	10945	10748	11470	14753	13832	11853
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2796	2812	2880	2773	2722	2747	2719	2695	2402	1924	1926	1742	2172	2702	2524
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	742	713	696	701	795	924	880	860	790	737	733	687	788	872	788
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6139	5860	5674	4478	5515	6348	6057
<i>Non-Utility Generation</i>	1401	1401	1298	1227	1233	1215	1203	1212	1229	1387	1387	1355	1558	1474	1316
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13487	13475	13428	13262	13318	13454	13379	13341	12162	12125	11936	9393	12237	13589	12756
<i>Total Resources</i>	28237	25190	23026	24809	26010	26379	24272	22899	23046	23069	22684	20864	26990	27422	24609
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-795	-710	-649	-699	-733	-744	-684	-646	-650	-650	-639	-588	-761	-772	-694
<i>Total Reserves, Maintenance & Losses</i>	-825	-734	-658	-708	-737	-744	-684	-646	-655	-658	-647	-608	-775	-821	-706
<i>Total Net Resources</i>	27412	24455	22368	24101	25273	25635	23588	22253	22391	22412	22037	20256	26215	26601	23903
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	4446	1552	795	2241	1495	-428	-2890	-3243	-1205	-148	-576	-1734	3554	3149	364
<i>Total Surplus/Deficit</i>	4446	1552	780	2241	1495	-428	-2893	-3266	-1260	-182	-610	-1734	3554	3149	353

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	22393	22330	20972	21337	23305	25621	26034	24903	23115	22034	22094	21568	22081	22910	23023
<i>Exports</i>	831	830	840	791	768	769	768	768	767	797	789	687	854	842	790
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	23223	23160	21812	22128	24073	26390	26803	25671	23882	22831	22883	22255	22936	23752	23813
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	23223	23160	21826	22128	24073	26390	26806	25694	23937	22864	22917	22255	22936	23752	23823
Hydro Resources															
<i>Regulated Hydro</i>	13709	10644	8589	10570	11796	11964	10116	8765	9945	9739	9482	9916	13151	12679	10773
<i>Independent Hydro</i>	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14766	11727	9607	11558	12704	12938	10904	9568	10895	10957	10757	11478	14764	13848	11864
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2795	2814	2887	2777	2720	2741	2730	2713	2419	1934	1936	1662	2188	2714	2524
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	748	719	702	706	800	930	886	866	796	743	738	693	795	880	794
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6265	6348	6316	5185	6348	6348	6243
<i>Non-Utility Generation</i>	1401	1401	1299	1228	1234	1215	1204	1213	1230	1388	1387	1356	1551	1473	1316
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13492	13483	13441	13272	13323	13455	13396	13365	12313	12630	12594	10027	13087	13608	12949
<i>Total Resources</i>	28258	25210	23048	24830	26027	26393	24300	22933	23208	23586	23350	21505	27850	27457	24813
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-796	-710	-650	-700	-734	-744	-685	-647	-654	-665	-658	-606	-785	-773	-699
<i>Total Reserves, Maintenance & Losses</i>	-826	-735	-658	-709	-738	-744	-685	-647	-660	-672	-666	-626	-799	-822	-711
<i>Total Net Resources</i>	27432	24475	22390	24121	25289	25649	23615	22286	22549	22914	22684	20879	27051	26635	24101
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	4208	1316	578	1993	1216	-741	-3188	-3385	-1334	83	-199	-1376	4115	2883	289
<i>Total Surplus/Deficit</i>	4208	1316	564	1993	1216	-741	-3191	-3408	-1388	49	-233	-1376	4115	2883	278

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	22690	22627	21234	21618	23608	25959	26388	25299	23423	22326	22387	21858	22376	23236	23334
<i>Exports</i>	819	817	828	779	756	757	716	716	715	745	737	632	800	785	754
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	23508	23444	22062	22397	24364	26716	27104	26015	24138	23071	23124	22490	23176	24021	24088
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	23508	23444	22077	22397	24364	26716	27107	26038	24193	23104	23158	22490	23176	24021	24099
Hydro Resources															
<i>Regulated Hydro</i>	13717	10650	8594	10576	11803	11970	10121	8770	9951	9745	9486	9920	13157	12687	10779
<i>Independent Hydro</i>	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	14774	11734	9612	11564	12710	12945	10909	9573	10901	10963	10761	11482	14769	13857	11870
Other Resources															
<i>Small Thermal & Misc.</i>	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>Combustion Turbines</i>	2815	2794	2877	2770	2744	2768	2741	2717	2424	1946	1948	1742	2195	2725	2538
<i>Renewables</i>	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80
<i>Cogeneration</i>	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975
<i>Imports</i>	754	726	710	712	807	934	892	873	802	748	744	701	803	883	800
<i>Large Thermal</i>	6348	6348	6348	6348	6348	6348	6348	6348	6305	6330	6298	4515	5515	6348	6119
<i>Non-Utility Generation</i>	1399	1400	1299	1227	1234	1215	1204	1213	1230	1388	1387	1357	1551	1473	1316
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13517	13469	13439	13271	13353	13487	13414	13377	12364	12629	12594	9446	12268	13624	12846
<i>Total Resources</i>	28290	25203	23051	24835	26063	26431	24323	22949	23265	23591	23355	20929	27037	27480	24715
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-797	-710	-650	-700	-735	-745	-686	-647	-656	-665	-658	-590	-762	-774	-697
<i>Total Reserves, Maintenance & Losses</i>	-827	-735	-658	-709	-739	-745	-686	-647	-661	-672	-666	-610	-776	-823	-709
<i>Total Net Resources</i>	27463	24469	22392	24126	25325	25686	23637	22302	22604	22919	22689	20319	26261	26657	24007
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	3955	1025	330	1728	961	-1029	-3466	-3713	-1534	-152	-435	-2171	3084	2636	-81
<i>Total Surplus/Deficit</i>	3955	1025	316	1728	961	-1029	-3470	-3736	-1589	-185	-469	-2171	3084	2636	-92

THIS PAGE INTENTIONALLY LEFT BLANK

Section 6
Monthly Federal 50-Water Year
Surplus/Deficit
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

50-Water Year Surplus/Deficit
Federal Tables
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2942	929	447	1176	1038	554	668	-1391	-189	-540	-852	-122	2034	2106	630
1930 Federal Surplus/Deficit	1597	706	334	1359	1190	530	-1399	-429	-141	-171	-431	-175	1929	2324	531
1931 Federal Surplus/Deficit	2057	964	459	1306	1157	573	-1352	-1370	-362	355	-1065	331	1433	1422	396
1932 Federal Surplus/Deficit	1923	497	482	1213	1045	495	-1320	-1522	1038	3238	4974	5257	4744	3241	1666
1933 Federal Surplus/Deficit	3223	2314	675	1362	798	1419	3136	2313	-187	691	1563	3611	7019	5589	2469
1934 Federal Surplus/Deficit	2755	3055	1261	2468	2530	5717	6272	4615	3068	5914	5230	4690	1276	2869	3604
1935 Federal Surplus/Deficit	1333	-0.7	284	1113	762	969	2596	2966	-696	500	2258	2899	3620	3220	1648
1936 Federal Surplus/Deficit	2750	978	462	1303	1065	538	-661	-1355	38	-283	1969	6400	3253	2194	1329
1937 Federal Surplus/Deficit	2501	738	370	1350	1114	518	-1141	-1185	-193	-321	-576	302	1424	1683	451
1938 Federal Surplus/Deficit	2105	351	359	1513	983	612	3404	300	2067	2603	2746	5446	4001	2806	2116
1939 Federal Surplus/Deficit	1861	574	764	1423	1066	515	1043	-1078	378	545	1336	4130	1939	2306	1221
1940 Federal Surplus/Deficit	2678	857	376	1537	1006	726	415	-279	2287	1470	2062	2807	2681	1687	1398
1941 Federal Surplus/Deficit	1765	429	326	1326	889	1120	975	-1329	-95	-693	-701	902	2255	1051	652
1942 Federal Surplus/Deficit	1542	574	704	1272	773	2704	3530	-709	-681	27	788	2540	5192	3762	1713
1943 Federal Surplus/Deficit	3193	2264	665	1324	900	947	2778	2019	2724	5577	4889	5382	4994	3881	2798
1944 Federal Surplus/Deficit	2990	2179	666	1432	1101	495	1041	-1315	-607	-485	-1023	-151	1184	891	547
1945 Federal Surplus/Deficit	1632	68	442	1143	1066	497	-1276	-900	-321	-416	-739	2798	4250	2236	851
1946 Federal Surplus/Deficit	1809	1337	254	1448	1075	566	1482	1419	2808	3061	3984	5731	4381	3703	2330
1947 Federal Surplus/Deficit	3286	1962	887	1311	1048	3535	3762	2927	3076	1451	2865	4886	4063	3336	2801
1948 Federal Surplus/Deficit	3301	1386	720	3476	2032	2419	3645	500	1670	1687	3803	6871	7725	4122	3189
1949 Federal Surplus/Deficit	2887	3355	1601	1600	967	1184	1597	345	3889	1746	4701	5773	3901	1581	2399
1950 Federal Surplus/Deficit	1599	108	61	1340	887	284	1854	3344	4637	4129	3898	4643	6820	4248	2749
1951 Federal Surplus/Deficit	2510	2808	1047	2325	2533	4492	5140	5101	3314	3986	4428	5776	3271	4163	3669
1952 Federal Surplus/Deficit	2986	2913	1341	2940	1219	2837	3423	1848	2085	4213	4613	6775	4202	2574	3051
1953 Federal Surplus/Deficit	3004	1241	599	1301	1155	525	848	2956	289	-414	1224	4329	6594	4328	2121
1954 Federal Surplus/Deficit	3128	2019	920	1579	1138	1881	2460	3197	1666	3412	2693	5112	6072	5039	2891
1955 Federal Surplus/Deficit	4109	3114	3505	2165	1650	2009	478	-996	-546	521	54	2287	7385	6098	2328
1956 Federal Surplus/Deficit	2900	3285	813	2039	1933	4169	5679	2361	4030	4173	6084	6822	7378	4495	3995
1957 Federal Surplus/Deficit	3258	2523	864	1702	937	2049	2163	-356	1297	4759	2985	6366	7090	2771	2637
1958 Federal Surplus/Deficit	2159	802	510	1440	1065	660	1683	1904	1879	760	3596	5734	5554	2341	2202
1959 Federal Surplus/Deficit	2189	1076	607	1330	1553	2803	5156	3529	1905	2911	2126	4009	6032	4860	2994
1960 Federal Surplus/Deficit	2998	2344	3289	4108	3016	3672	3405	544	1722	6011	3936	3559	4393	3364	3226
1961 Federal Surplus/Deficit	3292	950	673	1482	1273	1151	2213	2581	2565	2953	2963	4266	6951	2914	2596
1962 Federal Surplus/Deficit	2363	1440	319	1400	1049	406	2095	-407	-148	4355	4627	3714	3534	3586	1828
1963 Federal Surplus/Deficit	2813	1861	554	1898	1694	2776	2411	1142	987	607	886	4540	4157	3306	2212
1964 Federal Surplus/Deficit	3521	2075	993	1223	1106	776	1962	352	-194	1696	1767	3315	7057	5616	2228
1965 Federal Surplus/Deficit	3033	2755	1592	2288	1229	4399	6197	4714	3575	2697	4529	5551	4954	2872	3657
1966 Federal Surplus/Deficit	3098	2532	949	1833	1278	1975	3068	81	106	3383	1604	3632	2992	3675	2075
1967 Federal Surplus/Deficit	3330	1695	416	1297	1045	1117	3478	4119	1045	2320	1112	2391	6608	4940	2557
1968 Federal Surplus/Deficit	3093	2425	1051	1646	1168	1812	2972	2204	1851	-710	987	2532	4763	4602	2292
1969 Federal Surplus/Deficit	3254	2566	1987	2410	2071	2657	5014	3660	2337	5166	4664	6618	4629	3544	3563
1970 Federal Surplus/Deficit	3199	1292	596	1418	1170	940	2599	2140	315	-246	1785	3571	5135	1697	1883
1971 Federal Surplus/Deficit	2013	955	329	1421	1270	813	4239	5686	3084	3429	4144	6975	6835	4824	3395
1972 Federal Surplus/Deficit	3212	3439	1217	1503	1184	1956	4043	5297	5649	5659	2617	6678	7274	5239	3958
1973 Federal Surplus/Deficit	3759	3133	1670	1668	1051	2189	3427	-1039	-258	-851	-793	761	2203	2035	1361
1974 Federal Surplus/Deficit	1903	251	228	1052	754	2998	6685	5641	4395	4965	5578	6099	7401	6478	4007
1975 Federal Surplus/Deficit	3278	3409	1614	1187	1073	1046	2849	1704	3103	1771	2038	4451	5583	5512	2781
1976 Federal Surplus/Deficit	2109	1399	991	2075	2345	5258	5042	3540	2501	4906	3699	6185	3668	5056	3560
1977 Federal Surplus/Deficit	4668	4336	4129	1819	1079	675	1066	-1408	-934	-982	-1312	605	833	869	1007
1978 Federal Surplus/Deficit	1940	64	200	877	864	862	2184	614	2960	1772	2525	3969	3334	3694	1892
Top Ten Percent	2711	2508	979	1841	1527	3603	5549	4623	4192	4296	4647	6185	6056	4650	3857
Middle Eighty Percent	2730	1657	961	1660	1254	1628	2437	1279	1383	2075	2439	4261	4693	3477	2290
Bottom Ten Percent	2417	1103	455	1325	1120	534	-437	-1138	-298	-233	-789	37	1601	1685	511

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	3338	1316	201	829	587	113	243	-1843	-556	-567	-884	-570	1471	1817	324
1930 Federal Surplus/Deficit	1982	1093	88	1008	741	89	-1832	-876	-506	-196	-464	-624	1366	2039	225
1931 Federal Surplus/Deficit	2445	1353	213	954	708	133	-1784	-1820	-728	331	-1101	-116	872	1138	90
1932 Federal Surplus/Deficit	2313	887	236	863	595	50	-1753	-1973	676	3224	4962	4825	4192	2959	1363
1933 Federal Surplus/Deficit	3613	2703	430	1015	348	977	2721	1881	-549	674	1537	3172	6474	5318	2171
1934 Federal Surplus/Deficit	3146	3450	1021	2126	2081	5293	5870	4191	2718	5910	5221	4262	708	2584	3310
1935 Federal Surplus/Deficit	1722	390	41	762	311	526	2179	2536	-1056	480	2236	2457	3060	2940	1347
1936 Federal Surplus/Deficit	3144	1368	217	954	617	97	-1088	-1806	-327	-310	1947	5969	2695	1910	1026
1937 Federal Surplus/Deficit	2888	1125	124	1001	665	77	-1573	-1634	-559	-347	-609	-150	856	1396	144
1938 Federal Surplus/Deficit	2493	742	113	1163	535	171	2988	-139	1709	2586	2724	5016	3442	2525	1816
1939 Federal Surplus/Deficit	2247	955	520	1076	616	73	624	-1525	16	524	1311	3693	1374	2020	917
1940 Federal Surplus/Deficit	3069	1246	130	1190	558	285	-12	-726	1932	1449	2048	2365	2117	1401	1096
1941 Federal Surplus/Deficit	2152	819	80	978	440	681	545	-1778	-461	-713	-724	458	1691	762	347
1942 Federal Surplus/Deficit	1926	960	457	922	324	2263	3122	-1155	-1047	4.4	762	2098	4638	3484	1411
1943 Federal Surplus/Deficit	3586	2651	420	976	449	504	2363	1579	2369	5569	4876	4953	4439	3602	2500
1944 Federal Surplus/Deficit	3376	2567	420	1084	649	52	615	-1767	-975	-513	-1053	-597	617	600	241
1945 Federal Surplus/Deficit	2016	454	196	792	615	55	-1709	-1350	-689	-444	-775	2360	3693	1954	545
1946 Federal Surplus/Deficit	2191	1721	7.9	1098	625	125	1057	979	2455	3045	3967	5303	3827	3422	2030
1947 Federal Surplus/Deficit	3677	2350	644	963	598	3093	3355	2494	2723	1433	2844	4453	3510	3055	2504
1948 Federal Surplus/Deficit	3689	1769	475	3138	1582	1984	3234	57	1315	1667	3784	6446	7183	3851	2893
1949 Federal Surplus/Deficit	3275	3747	1359	1255	517	740	1178	-102	3540	1729	4686	5341	3342	1294	2099
1950 Federal Surplus/Deficit	1982	491	-186	990	437	-156	1437	2908	4290	4117	3882	4210	6274	3972	2451
1951 Federal Surplus/Deficit	2894	3198	803	1982	2082	4062	4736	4678	2962	3974	4414	5348	2711	3887	3374
1952 Federal Surplus/Deficit	3374	3303	1099	2599	771	2399	3010	1414	1726	4201	4598	6350	3646	2293	2754
1953 Federal Surplus/Deficit	3392	1623	353	952	705	84	418	2526	-69	-436	1197	3891	6045	4051	1820
1954 Federal Surplus/Deficit	3517	2406	676	1234	689	1439	2044	2767	1309	3396	2671	4682	5524	4765	2594
1955 Federal Surplus/Deficit	4504	3506	3273	1822	1201	1570	52	-1445	-913	501	35	1842	6841	5829	2029
1956 Federal Surplus/Deficit	3290	3678	568	1695	1482	3736	5276	1930	3678	4164	6076	6397	6834	4219	3702
1957 Federal Surplus/Deficit	3647	2911	619	1357	486	1608	1745	-803	941	4746	2967	5942	6545	2486	2339
1958 Federal Surplus/Deficit	2543	1184	264	1092	615	216	1264	1464	1526	738	3576	5302	5006	2054	1902
1959 Federal Surplus/Deficit	2573	1462	361	983	1103	2364	4750	3103	1546	2897	2104	3575	5485	4582	2697
1960 Federal Surplus/Deficit	3389	2733	3056	3771	2567	3238	2998	105	1365	6009	3921	3121	3837	3083	2931
1961 Federal Surplus/Deficit	3683	1334	429	1136	824	707	1795	2148	2212	2938	2938	3835	6406	2631	2298
1962 Federal Surplus/Deficit	2752	1829	73	1053	598	-38	1676	-849	-515	4340	4617	3277	2975	3306	1527
1963 Federal Surplus/Deficit	3203	2248	309	1554	1245	2339	1998	706	622	589	864	4103	3604	3026	1913
1964 Federal Surplus/Deficit	3912	2461	750	875	655	332	1543	-88	-560	1674	1740	2876	6512	5347	1928
1965 Federal Surplus/Deficit	3421	3144	1351	1946	781	3960	5795	4290	3223	2679	4515	5122	4400	2589	3361
1966 Federal Surplus/Deficit	3485	2916	706	1488	830	1533	2654	-356	-259	3374	1583	3195	2433	3395	1775
1967 Federal Surplus/Deficit	3724	2082	170	949	595	675	3064	3693	688	2305	1084	1951	6063	4663	2259
1968 Federal Surplus/Deficit	3485	2816	808	1301	719	1369	2557	1772	1496	-735	964	2087	4213	4322	1992
1969 Federal Surplus/Deficit	3646	2956	1749	2068	1622	2219	4608	3234	1981	5157	4652	6193	4078	3263	3268
1970 Federal Surplus/Deficit	3587	1679	350	1072	720	497	2177	1707	-45	-269	1764	3131	4579	1412	1582
1971 Federal Surplus/Deficit	2397	1335	81	1072	819	371	3828	5264	2731	3413	4129	6551	6288	4549	3099
1972 Federal Surplus/Deficit	3602	3831	974	1156	734	1514	3630	4873	5306	5655	2599	6252	6729	4969	3665
1973 Federal Surplus/Deficit	4152	3525	1428	1322	600	1748	3012	-1488	-623	-874	-819	313	1641	1748	1058
1974 Federal Surplus/Deficit	2290	639	-19	700	303	2556	6285	5219	4048	4956	5568	5671	6857	6210	3713
1975 Federal Surplus/Deficit	3666	3801	1373	839	622	603	2433	1270	2748	1753	2014	4015	5030	5241	2483
1976 Federal Surplus/Deficit	2494	1781	748	1731	1894	4829	4637	3112	2149	4898	3682	5758	3109	4782	3265
1977 Federal Surplus/Deficit	5063	4729	3899	1474	628	233	641	-1859	-1303	-1010	-1342	159	266	578	703
1978 Federal Surplus/Deficit	2328	454	-46	525	413	417	1762	170	2608	1758	2503	3534	2772	3415	1591
Top Ten Percent	3100	2898	735	1496	1076	3165	5144	4198	3843	4286	4635	5758	5506	4375	3563
Middle Eighty Percent	3119	2044	717	1313	804	1188	2019	841	1024	2058	2418	3827	4139	3197	1991
Bottom Ten Percent	2806	1491	209	975	670	93	-866	-1588	-665	-258	-822	-411	1037	1398	205

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	3013	976	-195	442	193	-285	257	-1819	-545	-554	-873	-74	2114	1841	268
1930 Federal Surplus/Deficit	1645	754	-307	618	354	-305	-1826	-848	-493	-182	-459	-129	2019	2069	169
1931 Federal Surplus/Deficit	2113	1016	-184	562	320	-258	-1777	-1795	-715	347	-1092	385	1533	1168	36
1932 Federal Surplus/Deficit	1980	547	-159	473	205	-350	-1749	-1947	686	3254	5007	5346	4857	2995	1313
1933 Federal Surplus/Deficit	3288	2372	36	629	-43	581	2754	1935	-530	707	1558	3690	7142	5372	2127
1934 Federal Surplus/Deficit	2823	3131	634	1749	1689	4914	5915	4255	2752	5953	5261	4797	1359	2614	3272
1935 Federal Surplus/Deficit	1388	50	-349	372	-82	127	2210	2593	-1032	499	2258	2963	3712	2979	1299
1936 Federal Surplus/Deficit	2821	1032	-176	568	229	-295	-1074	-1780	-315	-292	1958	6491	3360	1941	976
1937 Federal Surplus/Deficit	2556	786	-273	613	278	-316	-1564	-1606	-544	-330	-600	339	1499	1422	88
1938 Federal Surplus/Deficit	2161	406	-282	775	148	-226	3017	-98	1729	2614	2746	5543	4093	2561	1769
1939 Federal Surplus/Deficit	1914	614	127	689	224	-326	650	-1494	28	542	1323	4204	2026	2049	864
1940 Federal Surplus/Deficit	2742	907	-266	805	171	-111	1	-700	1955	1463	2079	2867	2769	1428	1043
1941 Federal Surplus/Deficit	1817	480	-316	591	51	287	553	-1753	-449	-690	-699	963	2338	784	292
1942 Federal Surplus/Deficit	1589	621	59	531	-69	1862	3165	-1127	-1037	17	774	2601	5297	3527	1359
1943 Federal Surplus/Deficit	3265	2320	24	590	56	102	2387	1607	2387	5601	4901	5480	5092	3635	2450
1944 Federal Surplus/Deficit	3050	2240	20	697	255	-349	629	-1745	-966	-502	-1038	-95	1261	619	184
1945 Federal Surplus/Deficit	1679	112	-200	401	223	-342	-1707	-1329	-679	-431	-770	2860	4345	1989	488
1946 Federal Surplus/Deficit	1853	1384	-390	707	234	-274	1068	1012	2479	3074	3994	5834	4495	3460	1982
1947 Federal Surplus/Deficit	3356	2018	249	574	205	2685	3397	2532	2751	1464	2872	4971	4179	3093	2457
1948 Federal Surplus/Deficit	3362	1430	79	2765	1188	1592	3263	85	1341	1694	3812	6973	7856	3904	2850
1949 Federal Surplus/Deficit	2952	3429	966	870	125	340	1202	-77	3565	1752	4719	5856	4000	1320	2049
1950 Federal Surplus/Deficit	1645	147	-584	600	45	-553	1463	2947	4323	4143	3914	4734	6943	4015	2405
1951 Federal Surplus/Deficit	2566	2875	407	1599	1684	3671	4778	4734	2987	4002	4449	5878	3364	3931	3332
1952 Federal Surplus/Deficit	3051	2980	707	2222	380	2001	3040	1453	1742	4224	4621	6876	4301	2329	2708
1953 Federal Surplus/Deficit	3068	1282	-45	564	315	-311	420	2571	-48	-409	1215	4409	6705	4092	1771
1954 Federal Surplus/Deficit	3194	2076	282	850	299	1041	2071	2816	1333	3426	2689	5211	6202	4815	2551
1955 Federal Surplus/Deficit	4189	3186	2897	1442	810	1179	67	-1420	-899	521	61	2347	7518	5886	1984
1956 Federal Surplus/Deficit	2966	3357	174	1314	1086	3342	5318	1974	3699	4201	6113	6924	7508	4266	3660
1957 Federal Surplus/Deficit	3325	2585	224	972	93	1208	1770	-779	958	4772	2996	6469	7218	2516	2291
1958 Federal Surplus/Deficit	2210	842	-133	705	224	-186	1287	1496	1556	759	3598	5817	5680	2080	1853
1959 Federal Surplus/Deficit	2238	1123	-35	598	708	1966	4789	3161	1565	2932	2134	4102	6157	4625	2654
1960 Federal Surplus/Deficit	3066	2407	2677	3397	2175	2851	3042	143	1383	6058	3962	3641	4497	3120	2889
1961 Federal Surplus/Deficit	3362	992	37	752	434	309	1824	2194	2241	2973	2965	4368	7087	2664	2255
1962 Federal Surplus/Deficit	2423	1494	-324	668	205	-437	1702	-815	-504	4364	4660	3796	3631	3346	1478
1963 Federal Surplus/Deficit	2881	1913	-88	1169	852	1943	2030	742	634	611	890	4608	4258	3064	1863
1964 Federal Surplus/Deficit	3590	2127	357	488	262	-67	1570	-49	-547	1686	1761	3387	7179	5402	1880
1965 Federal Surplus/Deficit	3099	2819	960	1567	393	3552	5834	4339	3246	2704	4543	5643	5050	2619	3316
1966 Federal Surplus/Deficit	3163	2588	311	1103	440	1131	2682	-313	-247	3411	1609	3710	3091	3436	1728
1967 Federal Surplus/Deficit	3404	1743	-226	563	203	277	3096	3750	713	2344	1109	2462	6734	4709	2215
1968 Federal Surplus/Deficit	3163	2491	416	916	329	968	2584	1816	1521	-720	989	2588	4880	4361	1945
1969 Federal Surplus/Deficit	3326	2630	1362	1687	1228	1826	4644	3289	1997	5193	4688	6722	4752	3301	3227
1970 Federal Surplus/Deficit	3260	1342	-45	687	329	96	2189	1746	-26	-244	1800	3639	5228	1439	1530
1971 Federal Surplus/Deficit	2065	994	-320	682	424	-32	3852	5317	2749	3437	4161	7076	6952	4591	3052
1972 Federal Surplus/Deficit	3282	3511	580	769	341	1111	3654	4926	5340	5701	2634	6778	7397	5024	3624
1973 Federal Surplus/Deficit	3835	3206	1035	937	207	1347	3038	-1462	-612	-853	-796	810	2295	1775	1006
1974 Federal Surplus/Deficit	1958	297	-416	307	-94	2150	6326	5277	4077	4990	5605	6193	7526	6265	3670
1975 Federal Surplus/Deficit	3345	3482	982	451	228	201	2458	1313	2767	1783	2036	4532	5683	5287	2436
1976 Federal Surplus/Deficit	2166	1449	353	1346	1498	4438	4676	3164	2171	4931	3713	6281	3758	4830	3220
1977 Federal Surplus/Deficit	4753	4414	3527	1091	235	-166	657	-1835	-1291	-996	-1323	667	917	600	652
1978 Federal Surplus/Deficit	1993	114	-442	133	19	6.1	1776	195	2634	1794	2534	4054	3419	3452	1539
Top Ten Percent	2774	2572	341	1111	682	2765	5182	4250	3870	4320	4669	6283	6169	4421	3520
Middle Eighty Percent	2793	1712	324	928	412	790	2045	879	1044	2084	2445	4344	4800	3235	1943
Bottom Ten Percent	2476	1154	-188	586	280	-303	-856	-1562	-653	-244	-812	85	1685	1424	149

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	3032	994	-180	448	194	-288	253	-1796	-551	-555	-862	-545	1503	1862	184
1930 Federal Surplus/Deficit	1660	772	-293	621	357	-307	-1835	-823	-498	-182	-449	-600	1408	2090	85
1931 Federal Surplus/Deficit	2131	1035	-169	566	322	-260	-1786	-1772	-721	349	-1083	-85	923	1190	-48
1932 Federal Surplus/Deficit	1998	565	-144	477	207	-354	-1758	-1925	683	3259	5029	4884	4252	3018	1230
1933 Federal Surplus/Deficit	3306	2393	52	635	-40	579	2757	1969	-533	712	1575	3227	6538	5397	2048
1934 Federal Surplus/Deficit	2842	3155	653	1758	1691	4920	5920	4291	2755	5961	5284	4337	746	2636	3194
1935 Federal Surplus/Deficit	1405	68	-332	376	-80	124	2212	2628	-1034	502	2276	2497	3103	3002	1218
1936 Federal Surplus/Deficit	2840	1052	-160	573	231	-297	-1080	-1757	-320	-291	1976	6029	2754	1963	894
1937 Federal Surplus/Deficit	2574	804	-258	617	281	-318	-1572	-1583	-549	-330	-588	-134	885	1443	3.6
1938 Federal Surplus/Deficit	2178	426	-267	780	151	-228	3018	-69	1729	2618	2765	5082	3486	2584	1688
1939 Federal Surplus/Deficit	1931	632	143	695	225	-329	650	-1469	24	545	1339	3740	1413	2070	782
1940 Federal Surplus/Deficit	2761	925	-251	811	174	-114	-4.2	-675	1956	1465	2100	2401	2157	1449	961
1941 Federal Surplus/Deficit	1834	499	-301	597	54	285	547	-1729	-454	-686	-681	495	1727	804	209
1942 Federal Surplus/Deficit	1605	640	74	536	-67	1859	3169	-1102	-1043	19	790	2135	4691	3551	1278
1943 Federal Surplus/Deficit	3284	2341	40	595	57	98	2389	1636	2388	5607	4922	5020	4486	3657	2370
1944 Federal Surplus/Deficit	3069	2261	35	702	256	-352	625	-1723	-972	-503	-1025	-564	649	638	100
1945 Federal Surplus/Deficit	1695	130	-185	405	225	-346	-1716	-1306	-685	-432	-760	2396	3737	2011	404
1946 Federal Surplus/Deficit	1869	1404	-375	711	235	-276	1064	1041	2481	3079	4015	5373	3890	3483	1901
1947 Federal Surplus/Deficit	3375	2039	265	580	206	2681	3401	2564	2753	1468	2892	4509	3574	3116	2378
1948 Federal Surplus/Deficit	3380	1449	95	2775	1190	1593	3266	111	1342	1697	3833	6513	7252	3930	2771
1949 Federal Surplus/Deficit	2971	3452	983	877	126	336	1202	-52	3567	1756	4741	5394	3393	1340	1969
1950 Federal Surplus/Deficit	1661	164	-570	604	47	-555	1464	2978	4326	4148	3935	4273	6339	4039	2325
1951 Federal Surplus/Deficit	2584	2898	423	1608	1686	3674	4783	4770	2989	4007	4471	5417	2756	3956	3253
1952 Federal Surplus/Deficit	3070	3002	724	2231	383	2000	3043	1486	1741	4228	4642	6416	3695	2352	2628
1953 Federal Surplus/Deficit	3086	1301	-30	569	316	-314	413	2605	-48	-406	1232	3947	6100	4116	1690
1954 Federal Surplus/Deficit	3213	2098	298	856	301	1038	2073	2850	1334	3431	2707	4750	5598	4840	2472
1955 Federal Surplus/Deficit	4209	3209	2919	1451	813	1178	62	-1396	-905	524	81	1880	6914	5911	1903
1956 Federal Surplus/Deficit	2985	3380	190	1322	1087	3344	5322	2008	3700	4208	6135	6463	6903	4290	3582
1957 Federal Surplus/Deficit	3344	2607	240	979	94	1205	1771	-754	958	4776	3016	6009	6614	2537	2210
1958 Federal Surplus/Deficit	2227	860	-118	710	226	-190	1287	1525	1558	763	3617	5354	5076	2101	1772
1959 Federal Surplus/Deficit	2255	1142	-20	604	710	1965	4793	3197	1564	2938	2154	3641	5553	4648	2575
1960 Federal Surplus/Deficit	3085	2429	2698	3407	2177	2853	3046	172	1382	6066	3984	3178	3891	3143	2811
1961 Federal Surplus/Deficit	3381	1010	53	758	436	305	1825	2227	2243	2979	2982	3907	6483	2686	2175
1962 Federal Surplus/Deficit	2440	1513	-310	674	206	-441	1702	-787	-510	4368	4682	3334	3024	3369	1397
1963 Federal Surplus/Deficit	2900	1934	-73	1176	854	1943	2033	774	628	615	908	4143	3652	3087	1783
1964 Federal Surplus/Deficit	3609	2148	373	494	263	-71	1570	-21	-553	1688	1778	2924	6575	5427	1799
1965 Federal Surplus/Deficit	3118	2841	977	1576	396	3550	5839	4375	3247	2708	4564	5183	4443	2641	3237
1966 Federal Surplus/Deficit	3182	2609	328	1110	443	1128	2685	-283	-252	3417	1628	3248	2483	3460	1647
1967 Federal Surplus/Deficit	3424	1762	-211	568	205	274	3099	3785	713	2350	1126	1998	6130	4734	2136
1968 Federal Surplus/Deficit	3183	2513	432	923	331	965	2586	1849	1523	-719	1007	2120	4275	4385	1865
1969 Federal Surplus/Deficit	3346	2652	1381	1696	1230	1825	4648	3324	1997	5200	4710	6261	4147	3324	3149
1970 Federal Surplus/Deficit	3278	1361	-30	694	330	92	2187	1779	-28	-241	1820	3175	4620	1461	1449
1971 Federal Surplus/Deficit	2082	1011	-306	687	424	-36	3854	5353	2750	3441	4183	6616	6348	4615	2972
1972 Federal Surplus/Deficit	3301	3534	597	775	342	1108	3656	4961	5344	5709	2655	6317	6793	5049	3545
1973 Federal Surplus/Deficit	3856	3230	1052	943	208	1345	3040	-1439	-617	-852	-781	340	1685	1796	923
1974 Federal Surplus/Deficit	1975	314	-402	310	-93	2147	6330	5313	4080	4997	5627	5732	6922	6290	3591
1975 Federal Surplus/Deficit	3365	3506	999	456	229	197	2460	1345	2767	1787	2055	4070	5077	5312	2356
1976 Federal Surplus/Deficit	2184	1469	370	1354	1499	4442	4680	3199	2173	4938	3733	5821	3150	4855	3142
1977 Federal Surplus/Deficit	4774	4438	3550	1098	235	-169	654	-1812	-1298	-997	-1310	197	304	618	569
1978 Federal Surplus/Deficit	2010	132	-427	137	20	1.0	1774	222	2636	1800	2555	3592	2811	3475	1457
Top Ten Percent	2793	2593	357	1118	683	2765	5186	4285	3872	4326	4691	5823	5564	4445	3442
Middle Eighty Percent	2811	1732	340	934	414	788	2045	908	1042	2088	2464	3881	4194	3257	1863
Bottom Ten Percent	2493	1173	-173	591	282	-305	-863	-1539	-658	-244	-802	-386	1074	1445	65

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2956	910	-266	342	81	-403	132	-1968	-669	-673	-983	-178	2016	1749	162
1930 Federal Surplus/Deficit	1581	688	-379	514	246	-421	-1960	-992	-615	-299	-570	-234	1922	1979	63
1931 Federal Surplus/Deficit	2053	953	-256	457	211	-374	-1910	-1943	-839	234	-1205	284	1437	1079	-70
1932 Federal Surplus/Deficit	1920	481	-230	370	95	-471	-1883	-2096	568	3146	4921	5261	4771	2908	1211
1933 Federal Surplus/Deficit	3229	2312	-34	529	-151	464	2643	1809	-648	600	1461	3602	7058	5290	2030
1934 Federal Surplus/Deficit	2765	3076	571	1656	1581	4814	5808	4133	2645	5852	5176	4715	1256	2525	3178
1935 Federal Surplus/Deficit	1327	-15	-417	269	-192	7.7	2097	2470	-1148	388	2164	2870	3619	2893	1200
1936 Federal Surplus/Deficit	2764	970	-245	467	120	-411	-1201	-1928	-437	-407	1863	6406	3272	1852	874
1937 Federal Surplus/Deficit	2496	721	-344	510	170	-432	-1696	-1753	-666	-446	-708	231	1396	1331	-18
1938 Federal Surplus/Deficit	2100	343	-353	673	41	-342	2903	-233	1617	2505	2654	5460	4003	2474	1670
1939 Federal Surplus/Deficit	1853	548	58	589	113	-444	534	-1638	-91	431	1224	4115	1925	1959	762
1940 Federal Surplus/Deficit	2684	842	-337	705	64	-228	-126	-844	1845	1351	1990	2774	2670	1337	941
1941 Federal Surplus/Deficit	1756	416	-387	491	-56	172	423	-1899	-572	-800	-795	866	2241	691	188
1942 Federal Surplus/Deficit	1526	557	-12	429	-178	1744	3057	-1270	-1161	-96	675	2508	5209	3442	1258
1943 Federal Surplus/Deficit	3208	2260	-46	489	-55	-17	2275	1472	2277	5496	4811	5398	5004	3547	2353
1944 Federal Surplus/Deficit	2992	2181	-52	597	143	-467	505	-1894	-1091	-621	-1144	-195	1160	524	78
1945 Federal Surplus/Deficit	1616	45	-272	297	113	-461	-1841	-1477	-804	-550	-882	2769	4255	1901	383
1946 Federal Surplus/Deficit	1789	1322	-461	603	124	-390	944	876	2370	2966	3904	5751	4409	3373	1883
1947 Federal Surplus/Deficit	3299	1958	181	474	94	2566	3289	2403	2642	1356	2781	4886	4093	3007	2361
1948 Federal Surplus/Deficit	3303	1366	9.8	2673	1078	1481	3153	-56	1232	1584	3722	6890	7771	3823	2754
1949 Federal Surplus/Deficit	2894	3373	899	772	14	220	1085	-221	3457	1642	4631	5770	3910	1229	1950
1950 Federal Surplus/Deficit	1582	80	-656	497	-65	-669	1348	2815	4218	4035	3825	4651	6860	3930	2307
1951 Federal Surplus/Deficit	2507	2818	338	1504	1574	3565	4670	4613	2879	3895	4362	5795	3273	3847	3237
1952 Federal Surplus/Deficit	2993	2922	641	2129	272	1887	2929	1324	1627	4116	4531	6794	4212	2242	2612
1953 Federal Surplus/Deficit	3010	1218	-116	462	205	-428	290	2446	-161	-519	1118	4322	6619	4007	1672
1954 Federal Surplus/Deficit	3137	2017	214	752	190	923	1958	2691	1222	3318	2595	5128	6118	4733	2455
1955 Federal Surplus/Deficit	4134	3131	2840	1347	702	1065	-59	-1567	-1023	410	-30	2251	7434	5804	1885
1956 Federal Surplus/Deficit	2909	3301	105	1218	975	3234	5210	1848	3590	4098	6027	6841	7424	4182	3566
1957 Federal Surplus/Deficit	3267	2527	156	875	-17	1091	1654	-923	846	4663	2905	6386	7135	2426	2193
1958 Federal Surplus/Deficit	2148	776	-204	604	114	-306	1171	1361	1448	649	3505	5731	5597	1989	1754
1959 Federal Surplus/Deficit	2177	1060	-106	499	599	1852	4681	3039	1451	2826	2043	4018	6074	4540	2558
1960 Federal Surplus/Deficit	3009	2349	2619	3306	2066	2743	2934	7.1	1269	5957	3874	3554	4409	3034	2795
1961 Federal Surplus/Deficit	3305	927	-31	653	325	189	1709	2067	2133	2867	2869	4285	7003	2575	2158
1962 Federal Surplus/Deficit	2363	1431	-396	568	93	-558	1586	-952	-628	4255	4574	3710	3541	3260	1378
1963 Federal Surplus/Deficit	2824	1853	-159	1072	743	1830	1919	612	511	501	794	4518	4170	2978	1765
1964 Federal Surplus/Deficit	3533	2067	289	388	150	-187	1453	-186	-670	1573	1665	3299	7095	5320	1781
1965 Federal Surplus/Deficit	3042	2761	894	1474	285	3436	5727	4216	3137	2595	4454	5560	4961	2531	3221
1966 Federal Surplus/Deficit	3106	2529	243	1006	333	1012	2570	-446	-369	3306	1516	3624	2999	3351	1629
1967 Federal Surplus/Deficit	3348	1678	-297	462	93	159	2986	3627	601	2239	1012	2373	6650	4626	2118
1968 Federal Surplus/Deficit	3107	2434	348	818	220	850	2472	1690	1412	-836	893	2491	4795	4276	1848
1969 Federal Surplus/Deficit	3270	2573	1300	1594	1119	1712	4536	3166	1886	5090	4601	6639	4667	3214	3133
1970 Federal Surplus/Deficit	3201	1278	-116	589	218	-24	2068	1618	-142	-355	1709	3549	5137	1350	1430
1971 Federal Surplus/Deficit	2004	927	-392	580	311	-151	3740	5195	2639	3328	4073	6993	6868	4507	2955
1972 Federal Surplus/Deficit	3226	3455	512	670	230	993	3542	4803	5235	5600	2544	6695	7313	4942	3529
1973 Federal Surplus/Deficit	3780	3151	968	839	96	1230	2925	-1608	-735	-967	-896	708	2199	1684	903
1974 Federal Surplus/Deficit	1897	230	-488	202	-205	2031	6218	5156	3971	4886	5519	6110	7441	6183	3574
1975 Federal Surplus/Deficit	3289	3427	915	350	116	81	2345	1184	2655	1674	1942	4447	5595	5205	2338
1976 Federal Surplus/Deficit	2107	1388	286	1250	1387	4334	4568	3040	2062	4827	3623	6199	3666	4747	3126
1977 Federal Surplus/Deficit	4699	4360	3471	994	122	-284	534	-1983	-1417	-1115	-1427	566	815	503	548
1978 Federal Surplus/Deficit	1932	49	-513	29	-93	-116	1655	55	2526	1689	2444	3969	3327	3365	1438
Top Ten Percent	2716	2513	272	1013	572	2652	5073	4127	3762	4215	4581	6200	6083	4337	3425
Middle Eighty Percent	2734	1650	256	829	303	673	1928	744	929	1975	2351	4256	4711	3148	1844
Bottom Ten Percent	2415	1090	-259	484	170	-420	-986	-1710	-776	-361	-922	-18	1586	1333	43

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2971	719	-259	335	66	-422	118	-1985	-678	-681	-988	-666	1390	1749	55
1930 Federal Surplus/Deficit	1594	497	-372	505	231	-440	-1979	-1007	-624	-306	-576	-723	1295	1980	-44
1931 Federal Surplus/Deficit	2068	763	-249	448	196	-393	-1928	-1960	-848	228	-1212	-204	812	1080	-177
1932 Federal Surplus/Deficit	1934	290	-223	361	81	-492	-1902	-2113	561	3142	4925	4781	4150	2909	1105
1933 Federal Surplus/Deficit	3244	2124	-25	522	-166	445	2635	1802	-655	596	1461	3121	6438	5293	1927
1934 Federal Surplus/Deficit	2780	2889	581	1652	1566	4803	5800	4128	2643	5851	5180	4235	628	2526	3076
1935 Federal Surplus/Deficit	1341	-206	-408	260	-206	-13	2088	2464	-1154	383	2165	2385	2996	2895	1096
1936 Federal Surplus/Deficit	2780	781	-237	459	106	-429	-1217	-1944	-445	-413	1864	5926	2650	1853	769
1937 Federal Surplus/Deficit	2511	530	-337	502	156	-451	-1714	-1769	-675	-453	-713	-259	768	1332	-126
1938 Federal Surplus/Deficit	2115	154	-345	665	27	-361	2893	-243	1613	2501	2656	4980	3380	2475	1566
1939 Federal Surplus/Deficit	1868	357	67	582	98	-464	523	-1653	-99	426	1223	3633	1298	1959	657
1940 Federal Surplus/Deficit	2699	652	-329	698	50	-248	-141	-859	1841	1345	1994	2290	2044	1337	836
1941 Federal Surplus/Deficit	1770	225	-380	484	-70	153	407	-1916	-581	-805	-795	380	1615	691	82
1942 Federal Surplus/Deficit	1540	367	-4.7	421	-192	1725	3049	-1284	-1170	-101	675	2024	4588	3444	1153
1943 Federal Surplus/Deficit	3224	2072	-38	482	-71	-37	2265	1461	2273	5493	4814	4918	4382	3549	2249
1944 Federal Surplus/Deficit	3007	1993	-44	590	128	-487	490	-1911	-1102	-629	-1147	-682	533	522	-29
1945 Federal Surplus/Deficit	1630	-146	-264	289	97	-481	-1860	-1493	-814	-558	-888	2286	3632	1902	276
1946 Federal Surplus/Deficit	1802	1133	-454	595	109	-409	930	865	2367	2962	3908	5272	3788	3375	1778
1947 Federal Surplus/Deficit	3315	1769	189	468	79	2546	3281	2395	2639	1352	2784	4405	3472	3008	2258
1948 Federal Surplus/Deficit	3318	1177	18	2670	1064	1464	3144	-69	1228	1580	3725	6411	7150	3826	2651
1949 Federal Surplus/Deficit	2910	3186	909	766	-0.8	200	1073	-236	3454	1638	4635	5289	3288	1229	1846
1950 Federal Surplus/Deficit	1595	-112	-649	489	-80	-688	1338	2806	4215	4032	3828	4171	6239	3933	2204
1951 Federal Surplus/Deficit	2521	2631	346	1500	1559	3551	4663	4607	2876	3891	4366	5315	2651	3850	3135
1952 Federal Surplus/Deficit	3008	2735	650	2125	258	1869	2920	1316	1622	4112	4534	6314	3590	2244	2509
1953 Federal Surplus/Deficit	3025	1028	-109	454	190	-447	273	2439	-166	-524	1118	3841	5998	4010	1567
1954 Federal Surplus/Deficit	3152	1829	222	746	176	904	1949	2685	1218	3315	2597	4648	5498	4736	2352
1955 Federal Surplus/Deficit	4151	2944	2853	1343	689	1048	-74	-1583	-1033	405	-27	1767	6814	5807	1780
1956 Federal Surplus/Deficit	2924	3114	113	1213	959	3219	5202	1841	3586	4096	6032	6361	6803	4185	3464
1957 Federal Surplus/Deficit	3283	2339	164	869	-33	1073	1644	-938	842	4659	2908	5907	6514	2427	2089
1958 Federal Surplus/Deficit	2162	584	-196	597	99	-327	1160	1350	1445	644	3507	5250	4976	1990	1649
1959 Federal Surplus/Deficit	2191	870	-98	493	584	1834	4673	3033	1445	2823	2046	3538	5453	4542	2455
1960 Federal Surplus/Deficit	3025	2161	2632	3302	2052	2728	2927	-4.1	1263	5955	3878	3073	3788	3035	2692
1961 Federal Surplus/Deficit	3321	736	-23	647	311	168	1699	2060	2129	2863	2870	3805	6383	2576	2054
1962 Federal Surplus/Deficit	2377	1242	-389	562	78	-578	1575	-965	-637	4250	4579	3229	2918	3262	1273
1963 Federal Surplus/Deficit	2839	1664	-151	1067	729	1813	1911	604	502	497	795	4035	3549	2980	1661
1964 Federal Surplus/Deficit	3548	1878	298	381	135	-208	1442	-197	-679	1568	1665	2817	6475	5323	1676
1965 Federal Surplus/Deficit	3058	2574	904	1469	271	3418	5719	4210	3133	2591	4458	5081	4339	2532	3118
1966 Federal Surplus/Deficit	3122	2341	252	1000	319	993	2561	-457	-378	3303	1517	3142	2376	3353	1525
1967 Federal Surplus/Deficit	3364	1488	-290	455	77	139	2978	3622	596	2236	1012	1892	6030	4629	2015
1968 Federal Surplus/Deficit	3123	2246	356	812	206	831	2463	1682	1409	-843	894	2006	4175	4277	1744
1969 Federal Surplus/Deficit	3286	2385	1312	1589	1104	1695	4528	3161	1881	5087	4605	6159	4046	3215	3031
1970 Federal Surplus/Deficit	3216	1088	-108	583	203	-45	2055	1610	-149	-361	1712	3067	4515	1350	1326
1971 Federal Surplus/Deficit	2018	736	-386	572	296	-170	3731	5190	2635	3324	4077	6513	6247	4509	2851
1972 Federal Surplus/Deficit	3242	3268	521	663	215	973	3533	4797	5234	5598	2548	6215	6693	4945	3426
1973 Federal Surplus/Deficit	3797	2964	977	832	81	1211	2916	-1624	-744	-974	-898	221	1573	1684	798
1974 Federal Surplus/Deficit	1912	38	-482	193	-220	2012	6210	5150	3968	4884	5524	5631	6821	6186	3471
1975 Federal Surplus/Deficit	3304	3240	925	342	100	61	2335	1175	2651	1670	1944	3966	4973	5208	2235
1976 Federal Surplus/Deficit	2122	1200	295	1245	1372	4322	4561	3034	2058	4824	3626	5719	3044	4750	3024
1977 Federal Surplus/Deficit	4716	4174	3484	988	107	-304	519	-2000	-1428	-1124	-1431	79	186	501	442
1978 Federal Surplus/Deficit	1946	-142	-506	20	-108	-137	1642	41	2523	1686	2447	3489	2704	3367	1334
Top Ten Percent	2731	2325	280	1008	557	2634	5066	4121	3759	4212	4585	5720	5461	4340	3323
Middle Eighty Percent	2749	1461	264	822	288	655	1917	734	923	1971	2353	3775	4089	3150	1740
Bottom Ten Percent	2430	900	-252	476	155	-439	-1003	-1726	-786	-368	-927	-507	960	1333	-64

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2943	888	-284	385	122	-356	181	-1884	-623	-639	-951	-148	2033	1765	193
1930 Federal Surplus/Deficit	1564	666	-398	554	289	-374	-1918	-904	-568	-262	-539	-206	1937	1996	93
1931 Federal Surplus/Deficit	2039	932	-275	497	253	-326	-1867	-1859	-793	273	-1176	314	1453	1096	-39
1932 Federal Surplus/Deficit	1906	459	-249	410	137	-428	-1841	-2012	619	3188	4969	5304	4795	2925	1243
1933 Federal Surplus/Deficit	3216	2295	-50	572	-108	511	2703	1910	-598	642	1502	3644	7083	5309	2067
1934 Federal Surplus/Deficit	2752	3061	558	1704	1624	4875	5868	4236	2703	5896	5223	4758	1268	2542	3217
1935 Federal Surplus/Deficit	1313	-36	-432	309	-149	53	2155	2572	-1096	429	2207	2906	3640	2911	1235
1936 Federal Surplus/Deficit	2751	952	-262	509	163	-363	-1153	-1844	-389	-369	1907	6448	3295	1869	908
1937 Federal Surplus/Deficit	2482	700	-363	552	213	-384	-1652	-1668	-620	-410	-675	257	1409	1348	12
1938 Federal Surplus/Deficit	2086	325	-370	714	84	-294	2960	-138	1672	2547	2699	5503	4025	2491	1706
1939 Federal Surplus/Deficit	1839	527	42	633	154	-398	589	-1551	-43	471	1264	4155	1938	1975	795
1940 Federal Surplus/Deficit	2670	822	-355	748	108	-182	-78	-757	1901	1391	2037	2811	2685	1353	974
1941 Federal Surplus/Deficit	1742	395	-405	535	-12	221	469	-1814	-525	-759	-755	899	2258	706	220
1942 Federal Surplus/Deficit	1511	536	-30	471	-134	1792	3117	-1181	-1115	-56	717	2545	5233	3460	1293
1943 Federal Surplus/Deficit	3196	2243	-63	532	-14	29	2333	1567	2333	5539	4857	5441	5027	3565	2389
1944 Federal Surplus/Deficit	2978	2164	-70	640	184	-421	554	-1811	-1048	-587	-1110	-164	1174	537	108
1945 Federal Surplus/Deficit	1601	23	-290	338	154	-415	-1800	-1392	-759	-515	-852	2809	4277	1919	414
1946 Federal Surplus/Deficit	1773	1304	-479	644	166	-342	994	970	2427	3008	3951	5794	4433	3391	1918
1947 Federal Surplus/Deficit	3286	1941	165	518	136	2614	3349	2503	2699	1397	2827	4928	4117	3024	2398
1948 Federal Surplus/Deficit	3290	1347	-7.1	2722	1122	1533	3212	35	1288	1625	3768	6933	7794	3842	2791
1949 Federal Surplus/Deficit	2881	3357	885	817	56	265	1139	-133	3514	1683	4678	5812	3933	1245	1986
1950 Federal Surplus/Deficit	1567	57	-675	539	-23	-621	1405	2912	4275	4077	3871	4693	6884	3949	2344
1951 Federal Surplus/Deficit	2493	2802	322	1551	1617	3622	4731	4716	2936	3936	4409	5838	3296	3866	3276
1952 Federal Surplus/Deficit	2980	2906	626	2177	315	1937	2988	1424	1680	4158	4577	6837	4235	2260	2649
1953 Federal Surplus/Deficit	2997	1198	-135	503	246	-381	336	2547	-107	-478	1160	4364	6643	4026	1707
1954 Federal Surplus/Deficit	3124	2000	198	797	233	970	2016	2793	1278	3360	2640	5171	6143	4752	2493
1955 Federal Surplus/Deficit	4122	3115	2831	1395	746	1115	-10	-1482	-979	450	16	2288	7459	5823	1920
1956 Federal Surplus/Deficit	2896	3285	88	1265	1017	3289	5270	1949	3646	4141	6075	6884	7448	4201	3605
1957 Federal Surplus/Deficit	3254	2510	140	920	24	1140	1710	-835	901	4705	2951	6429	7159	2443	2229
1958 Federal Surplus/Deficit	2134	754	-222	647	155	-261	1226	1456	1505	689	3550	5772	5621	2006	1789
1959 Federal Surplus/Deficit	2162	1040	-124	543	641	1903	4741	3142	1504	2868	2089	4061	6098	4558	2596
1960 Federal Surplus/Deficit	2996	2332	2610	3354	2110	2797	2995	101	1322	6001	3921	3595	4433	3052	2833
1961 Federal Surplus/Deficit	3292	905	-47	697	368	234	1765	2169	2189	2908	2912	4328	7028	2592	2194
1962 Federal Surplus/Deficit	2349	1412	-415	612	134	-513	1641	-860	-582	4296	4622	3752	3563	3278	1412
1963 Federal Surplus/Deficit	2811	1835	-177	1118	786	1881	1979	712	558	542	837	4558	4194	2996	1801
1964 Federal Surplus/Deficit	3520	2049	273	431	191	-142	1509	-93	-624	1613	1707	3340	7120	5339	1816
1965 Federal Surplus/Deficit	3030	2745	880	1522	328	3486	5787	4319	3193	2636	4501	5603	4984	2548	3259
1966 Federal Surplus/Deficit	3093	2513	228	1051	376	1059	2629	-351	-322	3349	1559	3665	3019	3369	1665
1967 Federal Surplus/Deficit	3336	1658	-315	505	134	205	3046	3730	655	2281	1053	2415	6675	4645	2155
1968 Federal Surplus/Deficit	3095	2417	332	863	264	898	2531	1791	1469	-799	934	2526	4820	4294	1884
1969 Federal Surplus/Deficit	3258	2556	1289	1641	1162	1763	4596	3269	1941	5133	4649	6682	4691	3232	3172
1970 Federal Surplus/Deficit	3188	1258	-134	633	259	21	2121	1719	-91	-315	1754	3590	5160	1366	1466
1971 Federal Surplus/Deficit	1990	905	-412	622	352	-104	3799	5298	2695	3369	4120	7036	6892	4525	2991
1972 Federal Surplus/Deficit	3213	3439	497	713	272	1039	3601	4906	5294	5644	2591	6738	7338	4961	3567
1973 Federal Surplus/Deficit	3768	3136	953	883	138	1279	2984	-1523	-689	-930	-858	739	2215	1700	936
1974 Federal Surplus/Deficit	1883	207	-508	241	-164	2079	6278	5259	4028	4929	5567	6153	7465	6202	3611
1975 Federal Surplus/Deficit	3276	3411	901	392	156	127	2402	1282	2711	1716	1987	4489	5618	5224	2375
1976 Federal Surplus/Deficit	2093	1371	270	1296	1430	4394	4629	3142	2118	4870	3669	6242	3689	4767	3165
1977 Federal Surplus/Deficit	4688	4345	3462	1039	163	-237	583	-1900	-1374	-1082	-1393	597	826	515	579
1978 Federal Surplus/Deficit	1917	27	-532	68	-51	-71	1707	146	2583	1731	2490	4011	3349	3383	1473
Top Ten Percent	2703	2496	256	1058	614	2703	5134	4229	3819	4257	4628	6243	6106	4356	3463
Middle Eighty Percent	2721	1632	240	873	345	722	1984	839	981	2016	2395	4297	4733	3166	1880
Bottom Ten Percent	2401	1070	-278	525	212	-372	-941	-1625	-730	-325	-890	11	1601	1348	73

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2968	910	-248	385	117	-360	153	-1980	-645	-662	-974	-654	1388	1746	85
1930 Federal Surplus/Deficit	1588	689	-362	551	285	-377	-1950	-996	-590	-284	-562	-713	1291	1977	-14
1931 Federal Surplus/Deficit	2065	955	-240	495	250	-329	-1899	-1954	-816	253	-1200	-192	807	1078	-147
1932 Federal Surplus/Deficit	1931	480	-213	408	134	-433	-1872	-2108	600	3169	4954	4805	4155	2907	1137
1933 Federal Surplus/Deficit	3242	2320	-14	572	-111	507	2680	1823	-618	622	1484	3144	6443	5292	1963
1934 Federal Surplus/Deficit	2778	3086	597	1706	1622	4879	5847	4151	2687	5878	5210	4259	620	2524	3114
1935 Federal Surplus/Deficit	1338	-14	-395	307	-153	49	2131	2486	-1116	409	2190	2404	2997	2893	1130
1936 Federal Surplus/Deficit	2777	977	-226	508	160	-366	-1182	-1939	-411	-391	1892	5949	2654	1851	802
1937 Federal Surplus/Deficit	2507	723	-327	550	210	-388	-1683	-1763	-642	-432	-697	-250	763	1329	-96
1938 Federal Surplus/Deficit	2112	348	-335	713	81	-296	2936	-228	1655	2527	2684	5004	3384	2474	1602
1939 Federal Surplus/Deficit	1865	550	79	632	150	-402	564	-1644	-63	451	1246	3654	1292	1957	690
1940 Federal Surplus/Deficit	2696	844	-319	747	105	-185	-107	-850	1885	1371	2022	2309	2039	1335	869
1941 Federal Surplus/Deficit	1767	418	-369	534	-15	218	439	-1908	-547	-779	-773	396	1613	687	114
1942 Federal Surplus/Deficit	1536	559	6.0	470	-137	1789	3095	-1273	-1137	-76	700	2043	4592	3443	1188
1943 Federal Surplus/Deficit	3221	2267	-26	531	-18	26	2311	1479	2316	5521	4843	4942	4386	3547	2285
1944 Federal Surplus/Deficit	3004	2189	-34	639	180	-424	525	-1906	-1071	-610	-1131	-668	527	517	0.9
1945 Federal Surplus/Deficit	1625	45	-255	336	150	-420	-1831	-1487	-782	-537	-875	2309	3636	1901	307
1946 Federal Surplus/Deficit	1798	1328	-443	642	162	-345	968	880	2411	2989	3936	5296	3792	3373	1813
1947 Federal Surplus/Deficit	3312	1965	202	518	133	2611	3327	2417	2683	1377	2812	4429	3477	3007	2295
1948 Federal Surplus/Deficit	3315	1370	29	2725	1119	1532	3190	-56	1272	1605	3753	6435	7155	3825	2687
1949 Federal Surplus/Deficit	2907	3383	923	818	53	261	1114	-225	3498	1664	4663	5313	3292	1227	1882
1950 Federal Surplus/Deficit	1591	79	-639	537	-26	-623	1380	2825	4260	4059	3857	4194	6244	3932	2240
1951 Federal Surplus/Deficit	2518	2827	359	1553	1614	3625	4709	4631	2920	3918	4395	5339	2654	3849	3173
1952 Federal Surplus/Deficit	3006	2931	664	2180	313	1936	2966	1337	1662	4139	4563	6338	3594	2242	2546
1953 Federal Surplus/Deficit	3022	1221	-99	502	243	-384	307	2461	-126	-498	1143	3864	6003	4008	1602
1954 Federal Surplus/Deficit	3150	2025	234	797	230	967	1993	2707	1260	3341	2625	4672	5502	4735	2389
1955 Federal Surplus/Deficit	4148	3140	2872	1396	743	1113	-38	-1577	-1001	430	0.9	1785	6819	5807	1815
1956 Federal Surplus/Deficit	2921	3310	125	1266	1013	3290	5249	1863	3630	4123	6061	6385	6809	4184	3502
1957 Federal Surplus/Deficit	3280	2535	177	921	21	1138	1685	-928	885	4686	2936	5931	6520	2425	2124
1958 Federal Surplus/Deficit	2159	776	-186	647	152	-266	1201	1367	1489	669	3536	5274	4981	1987	1685
1959 Federal Surplus/Deficit	2188	1064	-87	544	638	1901	4719	3056	1486	2849	2074	3562	5458	4540	2492
1960 Federal Surplus/Deficit	3022	2357	2650	3357	2108	2798	2972	11	1304	5983	3907	3095	3792	3034	2730
1961 Federal Surplus/Deficit	3318	928	-10	697	365	229	1740	2083	2173	2889	2895	3829	6388	2574	2090
1962 Federal Surplus/Deficit	2374	1436	-379	611	130	-518	1616	-951	-605	4277	4608	3252	2922	3261	1307
1963 Federal Surplus/Deficit	2836	1860	-141	1119	783	1880	1956	625	536	523	820	4059	3553	2978	1697
1964 Federal Surplus/Deficit	3546	2074	310	431	187	-147	1483	-184	-646	1593	1691	2840	6480	5323	1711
1965 Federal Surplus/Deficit	3055	2770	918	1524	326	3486	5766	4234	3177	2617	4486	5104	4343	2530	3156
1966 Federal Surplus/Deficit	3119	2537	266	1052	374	1056	2605	-441	-344	3330	1543	3165	2377	3351	1561
1967 Federal Surplus/Deficit	3362	1681	-280	504	130	202	3023	3645	637	2262	1035	1914	6035	4628	2051
1968 Federal Surplus/Deficit	3120	2442	369	863	261	894	2508	1705	1452	-821	916	2023	4180	4276	1780
1969 Federal Surplus/Deficit	3284	2581	1329	1644	1159	1761	4574	3184	1924	5114	4634	6183	4051	3214	3069
1970 Federal Surplus/Deficit	3213	1280	-98	634	256	17	2095	1633	-110	-336	1739	3090	4519	1348	1361
1971 Federal Surplus/Deficit	2015	927	-376	621	348	-107	3777	5213	2679	3350	4106	6538	6252	4508	2888
1972 Federal Surplus/Deficit	3239	3465	534	713	269	1036	3579	4821	5279	5626	2576	6240	6698	4945	3464
1973 Federal Surplus/Deficit	3794	3161	990	883	134	1276	2962	-1617	-711	-952	-878	234	1570	1682	831
1974 Federal Surplus/Deficit	1908	228	-473	239	-167	2076	6257	5174	4013	4911	5553	5655	6826	6186	3507
1975 Federal Surplus/Deficit	3302	3437	938	391	152	123	2379	1195	2694	1696	1971	3989	4978	5207	2271
1976 Federal Surplus/Deficit	2119	1395	308	1298	1427	4398	4607	3056	2102	4851	3655	5743	3047	4749	3062
1977 Federal Surplus/Deficit	4714	4370	3503	1040	158	-241	555	-1995	-1398	-1106	-1414	91	179	494	473
1978 Federal Surplus/Deficit	1942	48	-496	66	-55	-75	1681	55	2567	1712	2474	3512	2707	3366	1368
Top Ten Percent	2728	2520	293	1059	611	2702	5112	4144	3804	4239	4614	5745	5466	4339	3360
Middle Eighty Percent	2746	1655	277	873	342	719	1959	750	963	1996	2379	3797	4092	3148	1775
Bottom Ten Percent	2426	1093	-242	524	208	-376	-971	-1720	-753	-347	-913	-495	955	1330	-34

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2946	886	-272	357	83	-396	118	-1962	-676	-690	-1005	-196	2023	1754	159
1930 Federal Surplus/Deficit	1565	665	-386	522	252	-413	-1988	-976	-621	-311	-593	-256	1925	1985	59
1931 Federal Surplus/Deficit	2042	932	-264	465	216	-365	-1936	-1936	-847	229	-1232	266	1441	1086	-74
1932 Federal Surplus/Deficit	1909	456	-237	379	100	-470	-1910	-2090	571	3144	4930	5267	4792	2915	1211
1933 Federal Surplus/Deficit	3219	2298	-37	544	-144	472	2649	1849	-647	597	1458	3606	7080	5300	2038
1934 Federal Surplus/Deficit	2756	3064	576	1680	1589	4850	5816	4177	2660	5853	5185	4722	1252	2532	3190
1935 Federal Surplus/Deficit	1315	-37	-418	278	-186	12	2100	2512	-1145	384	2164	2864	3633	2901	1205
1936 Federal Surplus/Deficit	2755	955	-249	480	127	-402	-1218	-1920	-441	-417	1867	6412	3291	1859	877
1937 Federal Surplus/Deficit	2485	699	-350	522	177	-424	-1720	-1744	-673	-459	-727	206	1396	1337	-23
1938 Federal Surplus/Deficit	2089	326	-358	684	49	-332	2905	-205	1628	2503	2659	5466	4021	2482	1677
1939 Federal Surplus/Deficit	1842	527	56	605	117	-438	531	-1625	-93	427	1219	4116	1925	1965	764
1940 Federal Surplus/Deficit	2674	821	-342	719	73	-221	-143	-831	1858	1346	1998	2770	2673	1343	943
1941 Federal Surplus/Deficit	1745	395	-393	506	-47	183	403	-1889	-578	-804	-800	855	2248	695	188
1942 Federal Surplus/Deficit	1514	536	-17	442	-169	1753	3065	-1252	-1168	-100	674	2505	5229	3451	1262
1943 Federal Surplus/Deficit	3199	2246	-49	503	-51	-9.9	2280	1503	2290	5496	4819	5404	5023	3555	2361
1944 Federal Surplus/Deficit	2982	2167	-57	611	146	-460	491	-1888	-1103	-637	-1161	-210	1161	524	74
1945 Federal Surplus/Deficit	1603	21	-279	306	116	-456	-1869	-1468	-814	-564	-907	2771	4274	1909	381
1946 Federal Surplus/Deficit	1775	1306	-467	613	129	-380	934	903	2384	2964	3911	5758	4429	3381	1889
1947 Federal Surplus/Deficit	3290	1944	180	491	100	2576	3297	2442	2656	1353	2787	4892	4114	3015	2371
1948 Federal Surplus/Deficit	3293	1348	6.4	2699	1086	1499	3159	-34	1245	1581	3728	6898	7791	3833	2763
1949 Federal Surplus/Deficit	2885	3361	901	791	19	225	1082	-205	3471	1640	4639	5775	3929	1235	1957
1950 Federal Surplus/Deficit	1569	55	-663	509	-59	-658	1349	2849	4233	4034	3832	4657	6882	3940	2315
1951 Federal Surplus/Deficit	2496	2805	336	1527	1581	3593	4679	4656	2893	3893	4370	5802	3292	3857	3250
1952 Federal Surplus/Deficit	2984	2910	642	2154	280	1902	2935	1363	1634	4115	4538	6801	4232	2250	2622
1953 Federal Surplus/Deficit	3000	1199	-122	474	209	-420	271	2487	-154	-523	1117	4327	6641	4016	1677
1954 Federal Surplus/Deficit	3128	2003	212	770	197	931	1962	2733	1233	3316	2600	5135	6140	4743	2465
1955 Federal Surplus/Deficit	4126	3118	2852	1370	711	1078	-73	-1558	-1033	406	-24	2246	7456	5815	1890
1956 Federal Surplus/Deficit	2899	3289	102	1239	980	3259	5218	1889	3604	4098	6036	6848	7446	4192	3578
1957 Federal Surplus/Deficit	3258	2513	154	894	-13	1103	1653	-908	858	4662	2911	6394	7157	2433	2200
1958 Federal Surplus/Deficit	2137	752	-209	619	118	-302	1169	1390	1462	645	3511	5736	5619	1995	1760
1959 Federal Surplus/Deficit	2165	1041	-111	516	606	1868	4689	3082	1458	2825	2049	4024	6096	4548	2568
1960 Federal Surplus/Deficit	3000	2336	2630	3331	2075	2766	2942	34	1276	5958	3882	3558	4429	3042	2806
1961 Federal Surplus/Deficit	3296	905	-33	670	332	193	1708	2108	2147	2865	2869	4291	7025	2582	2166
1962 Federal Surplus/Deficit	2352	1413	-403	584	96	-555	1583	-929	-636	4252	4583	3714	3559	3269	1382
1963 Federal Surplus/Deficit	2814	1838	-164	1093	751	1846	1925	650	505	498	793	4521	4190	2986	1773
1964 Federal Surplus/Deficit	3524	2052	288	403	153	-183	1451	-162	-677	1569	1665	3303	7118	5331	1786
1965 Federal Surplus/Deficit	3033	2748	896	1498	293	3452	5735	4259	3151	2592	4462	5567	4980	2538	3232
1966 Federal Surplus/Deficit	3097	2516	244	1025	341	1020	2574	-418	-375	3305	1517	3628	3013	3359	1636
1967 Federal Surplus/Deficit	3339	1658	-303	476	97	166	2992	3670	609	2237	1008	2377	6672	4636	2126
1968 Federal Surplus/Deficit	3098	2421	346	836	228	859	2477	1731	1426	-847	889	2483	4817	4284	1856
1969 Federal Surplus/Deficit	3262	2560	1308	1618	1126	1727	4544	3209	1898	5090	4610	6646	4688	3222	3145
1970 Federal Surplus/Deficit	3191	1257	-121	607	222	-20	2062	1658	-139	-361	1713	3552	5157	1356	1436
1971 Federal Surplus/Deficit	1993	904	-400	593	314	-142	3746	5239	2652	3325	4081	7000	6890	4516	2963
1972 Federal Surplus/Deficit	3217	3443	511	686	236	1000	3548	4847	5252	5601	2551	6702	7335	4953	3540
1973 Federal Surplus/Deficit	3772	3139	968	856	100	1241	2931	-1597	-742	-978	-906	692	2205	1689	905
1974 Federal Surplus/Deficit	1886	204	-497	209	-201	2041	6226	5200	3986	4886	5528	6117	7463	6194	3583
1975 Federal Surplus/Deficit	3280	3415	916	363	118	87	2348	1220	2667	1672	1947	4452	5615	5215	2346
1976 Federal Surplus/Deficit	2097	1374	286	1271	1394	4368	4577	3082	2076	4827	3630	6206	3685	4757	3139
1977 Federal Surplus/Deficit	4692	4349	3483	1013	125	-277	521	-1976	-1430	-1134	-1444	549	811	500	546
1978 Federal Surplus/Deficit	1919	25	-520	37	-89	-111	1648	76	2540	1687	2450	3974	3345	3374	1443
Top Ten Percent	2706	2498	270	1032	578	2669	5081	4170	3777	4214	4590	6207	6103	4347	3437
Middle Eighty Percent	2724	1633	254	845	308	684	1927	773	934	1971	2354	4259	4729	3156	1851
Bottom Ten Percent	2404	1070	-266	495	175	-411	-1007	-1701	-784	-374	-944	-38	1589	1337	39

Federal Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2916	857	-324	306	28	-435	79	-2059	-709	-721	-1037	-708	1369	1722	23
1930 Federal Surplus/Deficit	1535	636	-438	470	197	-451	-2029	-1072	-654	-341	-625	-768	1270	1954	-77
1931 Federal Surplus/Deficit	2013	903	-315	413	161	-404	-1977	-2033	-880	199	-1264	-246	786	1055	-210
1932 Federal Surplus/Deficit	1879	427	-289	327	45	-510	-1951	-2187	540	3115	4901	4758	4139	2884	1076
1933 Federal Surplus/Deficit	3190	2270	-87	493	-199	433	2612	1755	-679	568	1428	3097	6427	5269	1904
1934 Federal Surplus/Deficit	2726	3036	526	1630	1535	4814	5779	4083	2630	5824	5156	4212	597	2500	3056
1935 Federal Surplus/Deficit	1286	-66	-469	226	-241	-27	2062	2419	-1176	355	2134	2354	2980	2870	1071
1936 Federal Surplus/Deficit	2725	927	-300	428	72	-441	-1257	-2017	-473	-447	1839	5903	2638	1827	742
1937 Federal Surplus/Deficit	2455	671	-402	470	122	-462	-1761	-1841	-705	-489	-759	-306	741	1306	-158
1938 Federal Surplus/Deficit	2060	297	-409	632	-6.2	-370	2867	-300	1597	2473	2630	4957	3368	2450	1543
1939 Federal Surplus/Deficit	1813	498	5.1	553	61	-477	493	-1721	-125	397	1189	3606	1269	1933	629
1940 Federal Surplus/Deficit	2644	792	-394	668	18	-260	-183	-927	1828	1317	1969	2260	2018	1311	808
1941 Federal Surplus/Deficit	1715	366	-444	455	-102	145	363	-1986	-610	-833	-830	344	1594	663	52
1942 Federal Surplus/Deficit	1484	507	-69	390	-224	1715	3027	-1348	-1201	-130	645	1995	4576	3419	1128
1943 Federal Surplus/Deficit	3169	2218	-100	452	-106	-49	2243	1408	2259	5467	4790	4895	4370	3524	2226
1944 Federal Surplus/Deficit	2952	2139	-109	560	90	-499	451	-1985	-1136	-668	-1192	-722	506	492	-61
1945 Federal Surplus/Deficit	1572	-7.9	-330	254	61	-495	-1910	-1565	-847	-595	-939	2261	3621	1877	245
1946 Federal Surplus/Deficit	1745	1278	-518	561	74	-419	895	808	2354	2935	3883	5249	3776	3350	1754
1947 Federal Surplus/Deficit	3260	1915	129	439	44	2538	3259	2349	2626	1323	2758	4382	3461	2983	2237
1948 Federal Surplus/Deficit	3263	1320	-45	2648	1031	1461	3122	-129	1215	1551	3700	6389	7138	3802	2629
1949 Federal Surplus/Deficit	2855	3333	851	740	-36	186	1043	-301	3441	1610	4610	5266	3276	1203	1823
1950 Federal Surplus/Deficit	1539	26	-715	457	-115	-697	1311	2755	4203	4005	3803	4147	6229	3908	2181
1951 Federal Surplus/Deficit	2466	2777	285	1477	1526	3557	4641	4563	2863	3864	4341	5293	2639	3825	3116
1952 Federal Surplus/Deficit	2954	2881	592	2104	225	1864	2898	1269	1602	4085	4510	6292	3579	2219	2488
1953 Federal Surplus/Deficit	2970	1170	-174	422	154	-459	231	2394	-185	-552	1088	3817	5987	3985	1543
1954 Federal Surplus/Deficit	3098	1975	161	719	142	892	1924	2640	1202	3287	2572	4626	5487	4712	2331
1955 Federal Surplus/Deficit	4096	3090	2802	1319	656	1040	-113	-1655	-1066	376	-52	1736	6803	5783	1755
1956 Federal Surplus/Deficit	2869	3260	51	1189	925	3222	5181	1796	3573	4069	6008	6338	6793	4161	3444
1957 Federal Surplus/Deficit	3228	2485	103	844	-68	1065	1615	-1004	827	4632	2883	5884	6504	2401	2065
1958 Federal Surplus/Deficit	2107	723	-260	567	63	-341	1130	1295	1432	615	3482	5227	4965	1964	1626
1959 Federal Surplus/Deficit	2136	1012	-162	465	551	1830	4652	2989	1427	2795	2021	3515	5442	4517	2434
1960 Federal Surplus/Deficit	2970	2307	2581	3281	2020	2729	2904	-61	1245	5929	3853	3049	3776	3010	2672
1961 Federal Surplus/Deficit	3266	876	-84	619	277	153	1670	2015	2116	2835	2839	3782	6372	2551	2032
1962 Federal Surplus/Deficit	2322	1384	-454	532	40	-594	1545	-1024	-669	4223	4554	3205	2906	3237	1247
1963 Federal Surplus/Deficit	2785	1810	-215	1042	696	1808	1888	557	472	469	764	4012	3537	2955	1639
1964 Federal Surplus/Deficit	3494	2024	237	351	98	-222	1413	-257	-709	1539	1636	2794	6464	5299	1651
1965 Federal Surplus/Deficit	3003	2720	846	1447	238	3414	5698	4166	3120	2563	4433	5058	4327	2507	3098
1966 Federal Surplus/Deficit	3067	2488	193	974	286	981	2537	-513	-407	3276	1488	3119	2359	3328	1501
1967 Federal Surplus/Deficit	3310	1629	-355	425	41	127	2955	3577	578	2208	979	1868	6019	4604	1992
1968 Federal Surplus/Deficit	3068	2393	295	785	173	820	2440	1637	1395	-878	860	1972	4164	4252	1721
1969 Federal Surplus/Deficit	3232	2532	1258	1567	1071	1689	4506	3116	1867	5060	4581	6137	4035	3190	3012
1970 Federal Surplus/Deficit	3161	1228	-173	556	167	-59	2023	1565	-171	-390	1684	3043	4503	1325	1302
1971 Federal Surplus/Deficit	1963	874	-452	541	258	-181	3709	5146	2621	3296	4052	6491	6237	4485	2829
1972 Federal Surplus/Deficit	3187	3415	461	635	181	961	3511	4753	5222	5572	2523	6193	6682	4921	3406
1973 Federal Surplus/Deficit	3742	3111	917	805	45	1203	2894	-1694	-775	-1009	-937	180	1550	1658	770
1974 Federal Surplus/Deficit	1856	175	-549	157	-256	2003	6189	5106	3956	4857	5500	5608	6809	6162	3448
1975 Federal Surplus/Deficit	3250	3387	865	311	62	48	2310	1126	2636	1642	1918	3942	4962	5184	2212
1976 Federal Surplus/Deficit	2067	1346	235	1221	1339	4332	4539	2989	2045	4797	3601	5696	3032	4726	3005
1977 Federal Surplus/Deficit	4662	4321	3434	962	69	-315	481	-2073	-1464	-1165	-1475	37	156	467	410
1978 Federal Surplus/Deficit	1889	-4.5	-572	-15	-144	-150	1609	-19	2510	1658	2421	3465	2692	3342	1308
Top Ten Percent	2676	2470	219	981	523	2631	5044	4077	3747	4185	4561	5698	5450	4315	3303
Middle Eighty Percent	2694	1604	203	794	253	645	1888	678	903	1942	2325	3749	4075	3124	1716
Bottom Ten Percent	2374	1041	-317	444	120	-450	-1047	-1798	-817	-404	-975	-550	934	1306	-97

THIS PAGE INTENTIONALLY LEFT BLANK

Section 7
Monthly Regional 50-Water Year
Surplus/Deficit
Average Energy in Megawatts

THIS PAGE INTENTIONALLY LEFT BLANK

50-Water Year Surplus/Deficit
Regional Tables
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	7754	3959	2672	3851	3850	2012	1931	-1347	610	1134	1410	450	6899	5257	2776
1930 Regional Surplus/Deficit	4424	2992	2069	3604	3449	1725	-952	882	622	1797	1441	-119	5481	5275	2280
1931 Regional Surplus/Deficit	5133	3377	2332	3578	3511	1522	-663	-1416	404	2054	924	76	4637	4028	1979
1932 Regional Surplus/Deficit	4751	2463	2123	3269	3284	1596	-442	-1227	3356	7923	11377	9452	11727	7820	4518
1933 Regional Surplus/Deficit	7815	6048	2745	3829	4169	3987	7201	5288	768	3964	4884	6668	15962	13146	6260
1934 Regional Surplus/Deficit	7452	7474	4086	6971	7255	12135	13530	10591	7551	12872	11473	8636	5109	6426	8494
1935 Regional Surplus/Deficit	4091	1909	1955	3610	4233	3275	6641	7242	-218	2825	5762	5601	9702	7804	4762
1936 Regional Surplus/Deficit	6660	4037	2383	3640	3455	1587	192	-1053	1143	1795	5912	11730	9056	5482	3901
1937 Regional Surplus/Deficit	6062	3197	2273	3590	3393	1830	-879	-1286	496	1856	1389	405	5883	4865	2235
1938 Regional Surplus/Deficit	5408	2490	2141	4158	4247	2774	7973	2061	4983	6661	8067	10510	10354	7241	5646
1939 Regional Surplus/Deficit	5080	2828	3016	3930	3755	2209	3670	-395	1764	3182	4646	7634	5955	5948	3780
1940 Regional Surplus/Deficit	6427	3337	2226	4061	3367	2657	2184	1635	5522	4763	5917	4763	6393	3973	3917
1941 Regional Surplus/Deficit	4522	2647	2041	3713	3235	2908	2757	-828	697	837	1437	1104	5827	3215	2449
1942 Regional Surplus/Deficit	4330	2757	2456	3455	2695	6135	6932	314	-438	2208	3597	4543	11679	8647	4405
1943 Regional Surplus/Deficit	7470	5941	2665	3644	4085	3370	6544	5672	6253	13104	11558	10518	12316	10225	7027
1944 Regional Surplus/Deficit	7732	6181	2931	4104	3812	2313	2848	-825	-51	1158	1107	-312	4207	3039	2513
1945 Regional Surplus/Deficit	4626	2040	2090	2945	3100	1739	-356	-41	344	1414	1471	5326	10259	5965	3012
1946 Regional Surplus/Deficit	4926	4032	2138	4216	4186	2831	4893	4699	6702	7990	10038	11250	11223	8964	6216
1947 Regional Surplus/Deficit	7965	5629	3310	4024	4435	8307	8542	7543	7193	5585	8318	8693	10213	7817	6986
1948 Regional Surplus/Deficit	7907	4362	3029	8916	6396	5745	8424	2631	3865	5522	9158	12533	16943	9881	7653
1949 Regional Surplus/Deficit	7614	8462	4732	4712	4059	3333	3951	2615	8685	5686	11014	10942	10223	5010	6221
1950 Regional Surplus/Deficit	5100	2272	1907	4170	4426	2124	5488	8067	10167	10174	10092	8825	15743	11096	7153
1951 Regional Surplus/Deficit	7350	7911	3839	6626	7749	10705	11463	12411	8003	10098	10888	11226	9403	10072	9135
1952 Regional Surplus/Deficit	7534	7558	4349	7786	4769	6849	7711	5622	5333	9721	10931	12705	10765	6809	7547
1953 Regional Surplus/Deficit	7524	4095	2756	3653	3710	1892	4331	7476	1729	1511	4733	8677	15034	10489	5723
1954 Regional Surplus/Deficit	8049	5844	3361	4584	4468	5410	6633	8049	4859	8960	7425	9422	14024	12491	7370
1955 Regional Surplus/Deficit	9703	8199	8322	5736	5678	4923	1912	-40	-71	3544	2138	4219	16209	14022	6059
1956 Regional Surplus/Deficit	7642	8139	3241	6272	6640	9428	12447	6648	8943	10589	13801	12892	17015	10758	9531
1957 Regional Surplus/Deficit	8311	6967	3445	5324	4079	5744	5630	1778	4067	10695	7745	12085	15709	6706	6785
1958 Regional Surplus/Deficit	5776	3355	2560	4109	3834	2748	5317	5859	4790	3853	8517	11043	12981	6001	5833
1959 Regional Surplus/Deficit	5785	3945	2835	4060	5627	6924	11184	8417	4718	8166	6996	7771	13857	11252	7424
1960 Regional Surplus/Deficit	7432	6464	8316	10170	8304	8185	7456	3068	4599	13393	9857	7090	11264	8205	7936
1961 Regional Surplus/Deficit	7929	4149	2941	4230	4890	3387	6239	7090	6011	7588	7139	7910	15008	7171	6523
1962 Regional Surplus/Deficit	6053	4496	2166	4087	3934	2167	5510	889	674	10237	11156	7257	9259	8340	5021
1963 Regional Surplus/Deficit	7262	5230	2706	5194	5733	6905	5799	4776	2936	3767	4164	8280	10282	7810	5886
1964 Regional Surplus/Deficit	8213	5659	3467	3849	4498	2779	5577	2215	738	5652	5596	6568	16404	13050	5976
1965 Regional Surplus/Deficit	7909	7490	4833	5914	4534	9811	13183	10967	7858	7326	11153	10593	12145	7587	8697
1966 Regional Surplus/Deficit	7832	7157	3631	4955	4445	4803	7418	1522	1550	8469	5294	6945	8423	8695	5563
1967 Regional Surplus/Deficit	7751	5314	2481	3875	4102	3894	8364	9599	2925	7162	4709	5209	15377	11249	6629
1968 Regional Surplus/Deficit	7478	6482	3544	5180	4547	4704	7503	6637	5247	1191	4012	4716	11549	10103	6109
1969 Regional Surplus/Deficit	7670	7149	5707	6590	6520	6620	10936	8485	5699	12178	11321	12747	11432	8271	8514
1970 Regional Surplus/Deficit	7757	4207	2971	4317	4259	3026	6635	6077	1706	2302	5261	7054	12643	5136	5299
1971 Regional Surplus/Deficit	5515	3450	2388	4177	4525	3088	10062	13068	7313	8779	10004	12930	15876	11924	8269
1972 Regional Surplus/Deficit	8357	8587	4032	4606	4753	5250	9602	12346	13012	14129	8339	12514	16613	12587	9585
1973 Regional Surplus/Deficit	9325	8030	4914	4693	4178	5940	7862	-216	723	706	1857	1394	6315	5034	4233
1974 Regional Surplus/Deficit	4627	2189	1823	3295	3799	7562	14631	13279	9855	11800	12646	11666	17123	15093	9480
1975 Regional Surplus/Deficit	8597	8536	4727	3616	4119	3881	7114	4709	6802	5320	6055	8925	13632	12880	7055
1976 Regional Surplus/Deficit	6331	5142	3736	5838	7280	11957	11668	8664	5955	11490	9423	11791	10217	11905	8767
1977 Regional Surplus/Deficit	10985	10265	9388	4762	3709	2220	2775	-936	-576	288	292	526	3458	2815	3255
1978 Regional Surplus/Deficit	4605	2057	1624	2559	3714	3176	5505	2683	6641	5622	7108	8229	9027	9027	5157
Top Ten Percent	6861	6394	3334	5327	6044	8980	11962	10670	9154	11621	11019	12018	14074	12083	9299
Middle Eighty Percent	7009	5153	3478	4671	4479	4372	6199	4302	3863	6081	6954	8009	11511	8394	5990
Bottom Ten Percent	5575	3679	2329	3718	3480	2060	622	-695	434	1541	1260	231	5207	4084	2291

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	7486	3460	1885	3986	3982	2093	2132	-1130	831	1322	1513	-688	5758	5362	2592
1930 Regional Surplus/Deficit	4141	2493	1283	3735	3585	1808	-760	1104	845	1989	1543	-1260	4341	5385	2096
1931 Regional Surplus/Deficit	4855	2881	1545	3708	3646	1606	-470	-1198	626	2248	1023	-1061	3499	4139	1795
1932 Regional Surplus/Deficit	4475	1969	1336	3400	3418	1673	-251	-1010	3583	8129	11507	8335	10599	7935	4338
1933 Regional Surplus/Deficit	7540	5552	1960	3964	4304	4068	7417	5530	995	4165	4994	5541	14843	13273	6085
1934 Regional Surplus/Deficit	7179	6986	3307	7114	7390	12238	13763	10844	7794	13091	11607	7524	3962	6537	8325
1935 Regional Surplus/Deficit	3814	1415	1172	3742	4366	3354	6855	7487	12	3022	5877	4471	8565	7920	4584
1936 Regional Surplus/Deficit	6389	3542	1598	3774	3591	1670	392	-835	1366	1985	6028	10615	7923	5593	3721
1937 Regional Surplus/Deficit	5784	2699	1485	3722	3529	1912	-685	-1067	719	2047	1490	-738	4736	4973	2050
1938 Regional Surplus/Deficit	5130	1997	1354	4291	4384	2856	8186	2294	5216	6863	8184	9396	9218	7355	5470
1939 Regional Surplus/Deficit	4799	2322	2232	4066	3888	2290	3880	-172	1990	3378	4759	6510	4811	6057	3598
1940 Regional Surplus/Deficit	6153	2840	1439	4197	3504	2738	2384	1858	5759	4959	6042	3634	5251	4081	3737
1941 Regional Surplus/Deficit	4243	2151	1255	3848	3371	2992	2954	-608	920	1035	1551	-29	4685	3319	2266
1942 Regional Surplus/Deficit	4047	2258	1669	3588	2830	6217	7156	537	-217	2402	3708	3413	10550	8766	4226
1943 Regional Surplus/Deficit	7198	5443	1879	3779	4218	3450	6759	5904	6490	13317	11684	9404	11186	10343	6853
1944 Regional Surplus/Deficit	7451	5683	2143	4239	3944	2393	3050	-608	169	1346	1213	-1447	3062	3141	2328
1945 Regional Surplus/Deficit	4342	1540	1303	3076	3233	1819	-165	177	564	1603	1569	4200	9126	6079	2828
1946 Regional Surplus/Deficit	4641	3530	1351	4348	4321	2914	5096	4930	6941	8192	10161	10138	10093	9080	6039
1947 Regional Surplus/Deficit	7692	5133	2526	4160	4569	8388	8769	7782	7432	5786	8435	7575	9086	7933	6812
1948 Regional Surplus/Deficit	7629	3858	2243	9063	6530	5834	8644	2858	4102	5720	9279	11425	15829	10008	7482
1949 Regional Surplus/Deficit	7337	7971	3949	4850	4192	3412	4161	2837	8929	5887	11139	9824	9087	5117	6044
1950 Regional Surplus/Deficit	4817	1769	1119	4302	4560	2206	5701	8304	10414	10382	10216	7706	14624	11217	6979
1951 Regional Surplus/Deficit	7067	7417	3054	6767	7882	10800	11692	12665	8244	10305	11014	10114	8265	10193	8965
1952 Regional Surplus/Deficit	7257	7063	3567	7930	4905	6935	7929	5860	5564	9929	11056	11597	9632	6924	7375
1953 Regional Surplus/Deficit	7247	3588	1969	3786	3844	1974	4527	7720	1962	1707	4843	7553	13910	10609	5546
1954 Regional Surplus/Deficit	7772	5346	2577	4722	4603	5491	6848	8294	5094	9163	7541	8308	12902	12616	7197
1955 Regional Surplus/Deficit	9433	7707	7553	5877	5813	5009	2113	179	150	3742	2258	3084	15093	14153	5883
1956 Regional Surplus/Deficit	7367	7649	2456	6412	6771	9520	12677	6891	9183	10800	13935	11783	15899	10880	9362
1957 Regional Surplus/Deficit	8035	6469	2660	5462	4212	5826	5841	2000	4301	10902	7866	10979	14591	6816	6610
1958 Regional Surplus/Deficit	5494	2850	1773	4244	3968	2826	5527	6091	5029	4049	8635	9926	11860	6109	5656
1959 Regional Surplus/Deficit	5502	3445	2049	4197	5761	7009	11411	8667	4949	8371	7113	6651	12737	11371	7251
1960 Regional Surplus/Deficit	7157	5969	7545	10319	8440	8277	7681	3300	4832	13614	9982	5965	10133	8320	7764
1961 Regional Surplus/Deficit	7655	3646	2157	4367	5026	3466	6451	7332	6251	7792	7251	6793	13890	7283	6349
1962 Regional Surplus/Deficit	5776	4001	1378	4223	4067	2246	5720	1119	896	10441	11287	6133	8123	8457	4843
1963 Regional Surplus/Deficit	6987	4731	1919	5333	5868	6992	6016	5014	3159	3966	4281	7155	9154	7926	5710
1964 Regional Surplus/Deficit	7938	5159	2684	3985	4631	2857	5788	2446	960	5848	5707	5442	15286	13180	5799
1965 Regional Surplus/Deficit	7632	6994	4052	6056	4670	9895	13415	11218	8098	7527	11280	9478	11014	7699	8526
1966 Regional Surplus/Deficit	7553	6654	2848	5093	4581	4883	7633	1756	1773	8681	5411	5822	7287	8813	5387
1967 Regional Surplus/Deficit	7481	4815	1695	4010	4236	3974	8582	9848	3158	7366	4818	4080	14260	11370	6454
1968 Regional Surplus/Deficit	7205	5988	2761	5318	4683	4785	7718	6879	5483	1382	4126	3582	10425	10219	5934
1969 Regional Surplus/Deficit	7397	6653	4930	6732	6655	6707	11162	8736	5933	12390	11449	11639	10307	8386	8344
1970 Regional Surplus/Deficit	7479	3708	2185	4454	4392	3105	6841	6317	1936	2496	5380	5926	11511	5246	5120
1971 Regional Surplus/Deficit	5232	2943	1600	4310	4657	3170	10282	13323	7551	8983	10129	11823	14757	12047	8097
1972 Regional Surplus/Deficit	8082	8095	3250	4742	4888	5331	9820	12599	13264	14347	8460	11405	15496	12716	9417
1973 Regional Surplus/Deficit	9054	7538	4132	4830	4312	6023	8078	5.1	945	900	1968	256	5176	5142	4052
1974 Regional Surplus/Deficit	4349	1691	1035	3425	3932	7643	14865	13534	10102	12012	12778	10553	16007	15225	9311
1975 Regional Surplus/Deficit	8320	8044	3946	3751	4251	3961	7328	4948	7038	5521	6168	7804	12505	13008	6880
1976 Regional Surplus/Deficit	6049	4637	2953	5978	7413	12056	11897	8911	6195	11703	9546	10680	9081	12030	8597
1977 Regional Surplus/Deficit	10716	9774	8622	4901	3841	2301	2978	-718	-357	476	399	-609	2312	2919	3073
1978 Regional Surplus/Deficit	4327	1561	837	2690	3847	3252	5711	2909	6881	5827	7225	7107	7887	9144	4978
Top Ten Percent	6583	5898	2549	5465	6177	9070	12190	10920	9398	11833	11147	10907	12949	12209	9130
Middle Eighty Percent	6733	4656	2694	4807	4614	4455	6412	4536	4095	6282	7072	6888	10382	8510	5814
Bottom Ten Percent	5295	3182	1542	3851	3615	2142	818	-475	656	1733	1364	-907	4065	4191	2107

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	7707	3888	2589	3950	3583	1788	1794	-1348	567	1057	1480	79	6817	5246	2677
1930 Regional Surplus/Deficit	4347	2922	1987	3694	3193	1507	-1109	891	584	1725	1503	-493	5412	5276	2183
1931 Regional Surplus/Deficit	5068	3314	2248	3665	3252	1308	-818	-1413	365	1986	986	-288	4580	4031	1884
1932 Regional Surplus/Deficit	4686	2398	2043	3360	3023	1366	-602	-1225	3319	7886	11517	9134	11687	7834	4432
1933 Regional Surplus/Deficit	7761	5992	2666	3929	3908	3765	7103	5351	741	3927	4975	6336	15933	13195	6188
1934 Regional Surplus/Deficit	7401	7442	4024	7091	6993	11958	13465	10677	7560	12865	11612	8341	5030	6428	8435
1935 Regional Surplus/Deficit	4024	1843	1884	3701	3968	3048	6538	7313	-236	2766	5859	5251	9634	7823	4681
1936 Regional Surplus/Deficit	6613	3975	2305	3738	3198	1372	52	-1050	1103	1726	5995	11415	9008	5486	3815
1937 Regional Surplus/Deficit	5996	3127	2188	3684	3137	1613	-1030	-1279	460	1786	1455	20	5793	4859	2136
1938 Regional Surplus/Deficit	5342	2430	2060	4253	3993	2552	7867	2098	4964	6616	8165	10202	10287	7254	5567
1939 Regional Surplus/Deficit	5010	2748	2939	4029	3490	1983	3557	-382	1729	3119	4727	7296	5880	5946	3689
1940 Regional Surplus/Deficit	6372	3270	2143	4162	3113	2435	2044	1643	5510	4695	6036	4408	6320	3968	3828
1941 Regional Surplus/Deficit	4451	2581	1959	3812	2977	2691	2607	-824	657	783	1537	749	5748	3200	2354
1942 Regional Surplus/Deficit	4252	2687	2370	3546	2431	5908	6854	325	-481	2137	3676	4189	11629	8674	4318
1943 Regional Surplus/Deficit	7425	5883	2583	3743	3818	3138	6434	5692	6235	13076	11670	10212	12257	10237	6948
1944 Regional Surplus/Deficit	7671	6128	2843	4202	3544	2083	2711	-828	-96	1078	1185	-673	4121	3018	2413
1945 Regional Surplus/Deficit	4548	1966	2007	3034	2835	1515	-518	-44	299	1337	1529	4973	10194	5977	2913
1946 Regional Surplus/Deficit	4845	3962	2053	4306	3923	2606	4753	4726	6694	7948	10149	10950	11183	8981	6136
1947 Regional Surplus/Deficit	7918	5571	3232	4120	4169	8068	8466	7583	7190	5544	8424	8370	10177	7835	6911
1948 Regional Surplus/Deficit	7847	4288	2948	9044	6129	5537	8325	2645	3857	5472	9268	12232	16926	9930	7584
1949 Regional Surplus/Deficit	7560	8427	4657	4816	3794	3103	3835	2621	8683	5635	11135	10616	10164	5002	6139
1950 Regional Surplus/Deficit	5022	2192	1820	4261	4162	1902	5378	8105	10179	10134	10209	8509	15716	11124	7078
1951 Regional Surplus/Deficit	7284	7867	3758	6736	7476	10504	11390	12489	7999	10060	11013	10924	9336	10103	9069
1952 Regional Surplus/Deficit	7480	7512	4277	7906	4510	6628	7611	5663	5308	9677	11039	12403	10707	6823	7474
1953 Regional Surplus/Deficit	7468	4016	2670	3747	3449	1671	4173	7530	1712	1459	4819	8348	14991	10515	5641
1954 Regional Surplus/Deficit	7996	5787	3284	4689	4208	5184	6526	8108	4847	8920	7517	9117	14004	12533	7301
1955 Regional Surplus/Deficit	9667	8161	8283	5850	5418	4712	1775	-36	-110	3486	2244	3863	16194	14079	5984
1956 Regional Surplus/Deficit	7590	8102	3162	6383	6369	9219	12375	6699	8933	10567	13936	12590	16996	10793	9468
1957 Regional Surplus/Deficit	8259	6916	3365	5428	3813	5517	5517	1783	4046	10652	7856	11786	15688	6707	6708
1958 Regional Surplus/Deficit	5704	3276	2476	4206	3571	2515	5201	5884	4789	3795	8616	10717	12958	5996	5751
1959 Regional Surplus/Deficit	5711	3875	2752	4162	5360	6703	11104	8494	4696	8135	7105	7458	13833	11279	7354
1960 Regional Surplus/Deficit	7382	6415	8272	10299	8041	7985	7381	3101	4578	13395	9989	6762	11213	8221	7870
1961 Regional Surplus/Deficit	7881	4073	2866	4335	4630	3159	6132	7142	6010	7556	7238	7608	14997	7177	6453
1962 Regional Surplus/Deficit	5991	4435	2081	4189	3668	1938	5397	914	632	10190	11295	6930	9197	8361	4939
1963 Regional Surplus/Deficit	7212	5167	2623	5298	5469	6689	5701	4811	2896	3714	4267	7934	10227	7828	5805
1964 Regional Surplus/Deficit	8163	5596	3392	3948	4232	2550	5466	2248	699	5582	5686	6228	16375	13104	5896
1965 Regional Surplus/Deficit	7857	7442	4763	6030	4277	9576	13110	11034	7849	7277	11269	10278	12081	7591	8626
1966 Regional Surplus/Deficit	7778	7098	3553	5060	4186	4572	7314	1564	1511	8446	5397	6613	8364	8718	5485
1967 Regional Surplus/Deficit	7709	5245	2399	3974	3838	3669	8267	9674	2913	7134	4803	4866	15354	11281	6557
1968 Regional Surplus/Deficit	7431	6436	3469	5284	4286	4475	7397	6687	5237	1120	4113	4355	11513	10122	6031
1969 Regional Surplus/Deficit	7625	7100	5645	6703	6255	6407	10852	8558	5676	12156	11450	12448	11403	8287	8450
1970 Regional Surplus/Deficit	7697	4140	2890	4421	3996	2795	6500	6119	1682	2246	5379	6709	12575	5134	5213
1971 Regional Surplus/Deficit	5444	3369	2297	4270	4256	2857	9956	13143	7298	8731	10124	12627	15842	11954	8194
1972 Regional Surplus/Deficit	8309	8550	3956	4706	4488	5019	9495	12418	13030	14124	8457	12210	16586	12640	9522
1973 Regional Surplus/Deficit	9286	7993	4841	4796	3912	5713	7754	-210	683	645	1951	1024	6248	5030	4144
1974 Regional Surplus/Deficit	4560	2118	1738	3379	3528	7326	14561	13361	9862	11774	12778	11354	17098	15147	9414
1975 Regional Surplus/Deficit	8547	8500	4656	3712	3851	3649	7005	4755	6785	5278	6150	8598	13575	12919	6979
1976 Regional Surplus/Deficit	6266	5075	3659	5944	7009	11758	11590	8729	5946	11464	9538	11482	10146	11944	8698
1977 Regional Surplus/Deficit	10957	10235	9357	4870	3442	1993	2642	-936	-619	213	376	173	3379	2799	3166
1978 Regional Surplus/Deficit	4536	1990	1541	2646	3446	2930	5373	2693	6638	5592	7218	7905	8951	9044	5070
Top Ten Percent	6802	6342	3255	5430	5774	8766	11882	10739	9154	11598	11144	11712	14032	12125	9234
Middle Eighty Percent	6953	5094	3402	4773	4216	4148	6087	4336	3842	6033	7058	7681	11463	8411	5911
Bottom Ten Percent	5507	3614	2245	3811	3221	1840	472	-691	394	1472	1333	-137	5131	4077	2194

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	7436	3208	1941	3592	3321	1331	1281	-1831	170	408	891	-906	5594	4827	2108
1930 Regional Surplus/Deficit	4071	2243	1339	3333	2934	1051	-1628	412	188	1078	914	-1480	4189	4859	1613
1931 Regional Surplus/Deficit	4795	2636	1599	3303	2993	853	-1336	-1896	-32	1341	396	-1272	3358	3615	1314
1932 Regional Surplus/Deficit	4413	1718	1394	2999	2763	907	-1120	-1708	2926	7244	10944	8161	10471	7418	3864
1933 Regional Surplus/Deficit	7489	5316	2019	3571	3648	3309	6600	4883	349	3285	4394	5361	14720	12783	5624
1934 Regional Surplus/Deficit	7130	6769	3380	6737	6733	11513	12963	10212	7174	12227	11039	7370	3804	6011	7873
1935 Regional Surplus/Deficit	3750	1164	1238	3341	3707	2590	6033	6846	-627	2122	5280	4272	8415	7408	4115
1936 Regional Surplus/Deficit	6342	3299	1658	3379	2939	917	-461	-1533	708	1079	5416	10442	7792	5069	3248
1937 Regional Surplus/Deficit	5723	2448	1539	3324	2878	1158	-1547	-1761	64	1139	868	-968	4567	4441	1565
1938 Regional Surplus/Deficit	5069	1753	1412	3893	3734	2097	7362	1624	4575	5974	7588	9230	9069	6839	5002
1939 Regional Surplus/Deficit	4737	2068	2293	3671	3229	1526	3050	-861	1334	2475	4145	6320	4656	5529	3122
1940 Regional Surplus/Deficit	6100	2591	1495	3804	2854	1979	1530	1163	5122	4050	5461	3429	5097	3551	3260
1941 Regional Surplus/Deficit	4178	1902	1310	3453	2718	2237	2092	-1305	261	140	957	-232	4526	2781	1786
1942 Regional Surplus/Deficit	3978	2009	1721	3186	2171	5451	6353	-154	-878	1492	3095	3210	10412	8260	3752
1943 Regional Surplus/Deficit	7154	5207	1935	3384	3557	2681	5929	5217	5847	12436	11094	9240	11040	9822	6383
1944 Regional Surplus/Deficit	7400	5453	2194	3843	3283	1626	2199	-1311	-494	429	599	-1656	2896	2598	1843
1945 Regional Surplus/Deficit	4273	1286	1358	2673	2574	1058	-1037	-526	-99	688	938	3996	8976	5561	2344
1946 Regional Surplus/Deficit	4570	3285	1404	3945	3663	2151	4241	4251	6307	7306	9573	9978	9968	8566	5570
1947 Regional Surplus/Deficit	7647	4895	2585	3762	3909	7611	7964	7114	6803	4902	7848	7397	8962	7420	6348
1948 Regional Surplus/Deficit	7575	3610	2300	8692	5870	5085	7822	2168	3470	4829	8692	11260	15711	9519	7021
1949 Regional Surplus/Deficit	7289	7754	4012	4459	3533	2645	3327	2141	8296	4992	10560	9642	8946	4585	5574
1950 Regional Surplus/Deficit	4747	1511	1171	3901	3902	1447	4872	7633	9794	9492	9634	7537	14502	10711	6514
1951 Regional Surplus/Deficit	7012	7193	3111	6381	7216	10056	10889	12024	7612	9418	10439	9952	8118	9690	8507
1952 Regional Surplus/Deficit	7209	6838	3632	7552	4250	6175	7108	5193	4917	9035	10463	11431	9489	6408	6911
1953 Regional Surplus/Deficit	7197	3338	2022	3388	3188	1216	3657	7062	1322	816	4239	7373	13775	10101	5075
1954 Regional Surplus/Deficit	7725	5112	2637	4332	3949	4728	6021	7641	4458	8278	6938	8145	12791	12121	6737
1955 Regional Surplus/Deficit	9398	7488	7644	5495	5159	4258	1262	-518	-507	2842	1668	2883	14980	13667	5419
1956 Regional Surplus/Deficit	7319	7428	2515	6027	6108	8769	11873	6231	8545	9928	13362	11618	15782	10380	8906
1957 Regional Surplus/Deficit	7988	6241	2719	5072	3552	5061	5011	1303	3656	10010	7280	10814	14474	6290	6143
1958 Regional Surplus/Deficit	5430	2596	1828	3848	3311	2057	4694	5410	4403	3151	8039	9743	11745	5578	5185
1959 Regional Surplus/Deficit	5437	3197	2104	3805	5100	6249	10603	8028	4305	7494	6528	6486	12619	10865	6791
1960 Regional Surplus/Deficit	7111	5740	7632	9947	7782	7535	6879	2627	4187	12757	9414	5788	9996	7806	7307
1961 Regional Surplus/Deficit	7610	3393	2219	3977	4370	2702	5626	6674	5623	6915	6659	6636	13783	6761	5888
1962 Regional Surplus/Deficit	5718	3758	1432	3831	3407	1480	4890	438	235	9547	10722	5956	7979	7946	4372
1963 Regional Surplus/Deficit	6941	4491	1975	4942	5210	6236	5198	4341	2500	3071	3688	6958	9010	7413	5240
1964 Regional Surplus/Deficit	7892	4920	2746	3590	3971	2092	4959	1773	302	4936	5106	5253	15161	12692	5330
1965 Regional Surplus/Deficit	7586	6768	4118	5676	4018	9121	12608	10568	7462	6634	10694	9306	10864	7175	8063
1966 Regional Surplus/Deficit	7507	6423	2907	4703	3928	4115	6810	1091	1115	7806	4819	5639	7145	8304	4920
1967 Regional Surplus/Deficit	7439	4566	1750	3615	3577	3212	7764	9208	2524	6494	4223	3891	14140	10869	5993
1968 Regional Surplus/Deficit	7160	5762	2823	4927	4027	4019	6893	6219	4850	473	3533	3374	10299	9708	5467
1969 Regional Surplus/Deficit	7355	6426	5003	6349	5995	5953	10350	8092	5287	11516	10876	11476	10189	7872	7888
1970 Regional Surplus/Deficit	7425	3462	2242	4064	3735	2338	5990	5650	1290	1602	4803	5732	11357	4717	4647
1971 Regional Surplus/Deficit	5171	2689	1648	3910	3994	2400	9452	12678	6909	8089	9549	11656	14628	11541	7630
1972 Regional Surplus/Deficit	8039	7877	3310	4348	4227	4562	8991	11953	12645	13487	7882	11239	15372	12228	8960
1973 Regional Surplus/Deficit	9016	7321	4195	4439	3651	5257	7250	-691	286	-1.3	1368	40	5026	4612	3576
1974 Regional Surplus/Deficit	4287	1437	1088	3018	3267	6870	14060	12895	9476	11135	12205	10382	15884	14736	8851
1975 Regional Surplus/Deficit	8276	7827	4011	3353	3589	3191	6500	4285	6396	4635	5571	7624	12359	12507	6414
1976 Regional Surplus/Deficit	5994	4399	3013	5588	6749	11311	11089	8262	5558	10825	8963	10510	8928	11532	8136
1977 Regional Surplus/Deficit	10689	9563	8718	4513	3180	1537	2130	-1419	-1018	-437	-209	-810	2154	2378	2597
1978 Regional Surplus/Deficit	4262	1311	892	2285	3185	2471	4862	2216	6251	4952	6642	6932	7731	8629	4503
Top Ten Percent	6530	5667	2607	5072	5513	8314	11380	10273	8767	10959	10570	10740	12817	11713	8672
Middle Eighty Percent	6681	4417	2755	4415	3956	3693	5581	3863	3451	5390	6480	6707	10246	7996	5345
Bottom Ten Percent	5233	2936	1596	3452	2961	1385	-44	-1172	-2.4	825	747	-1121	3907	3659	1624

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	7140	3264	2021	3358	2773	762	932	-2252	-233	-422	151	84	5849	4462	1902
1930 Regional Surplus/Deficit	3771	2299	1419	3097	2388	483	-1983	-5.4	-214	250	172	-490	4445	4494	1407
1931 Regional Surplus/Deficit	4497	2694	1678	3067	2446	285	-1690	-2316	-435	515	-346	-280	3615	3251	1108
1932 Regional Surplus/Deficit	4115	1774	1474	2764	2216	335	-1475	-2129	2526	6421	10219	9163	10735	7056	3661
1933 Regional Surplus/Deficit	7192	5377	2100	3338	3101	2740	6260	4478	-51	2463	3662	6362	14985	12425	5424
1934 Regional Surplus/Deficit	6834	6833	3465	6508	6187	10956	12625	9810	6782	11409	10314	8374	4056	5647	7675
1935 Regional Surplus/Deficit	3452	1221	1320	3105	3160	2019	5692	6443	-1025	1297	4550	5269	8674	7047	3914
1936 Regional Surplus/Deficit	6046	3358	1740	3145	2392	349	-812	-1953	306	252	4684	11444	8054	4706	3045
1937 Regional Surplus/Deficit	5425	2505	1619	3089	2332	589	-1901	-2180	-338	311	128	19	4820	4077	1359
1938 Regional Surplus/Deficit	4771	1811	1492	3658	3188	1529	7020	1213	4179	5151	6858	10234	9329	6477	4801
1939 Regional Surplus/Deficit	4438	2125	2374	3438	2682	956	2706	-1279	934	1650	3411	7320	4910	5165	2918
1940 Regional Surplus/Deficit	5803	2648	1575	3571	2308	1410	1180	745	4728	3225	4734	4426	5352	3187	3057
1941 Regional Surplus/Deficit	3879	1960	1391	3220	2172	1669	1739	-1724	-142	-684	225	763	4782	2415	1581
1942 Regional Surplus/Deficit	3678	2066	1801	2951	1625	4882	6014	-570	-1282	666	2362	4206	10674	7900	3549
1943 Regional Surplus/Deficit	6858	5267	2016	3151	3009	2111	5587	4805	5452	11616	10367	10244	11302	9460	6183
1944 Regional Surplus/Deficit	7102	5514	2274	3610	2734	1056	1850	-1732	-899	-401	-139	-663	3150	2230	1637
1945 Regional Surplus/Deficit	3974	1342	1438	2437	2027	488	-1393	-946	-503	-141	196	4994	9237	5199	2139
1946 Regional Surplus/Deficit	4269	3344	1484	3710	3116	1582	3892	3839	5913	6484	8845	10982	10231	8204	5369
1947 Regional Surplus/Deficit	7351	4955	2667	3529	3361	7041	7626	6706	6409	4079	7119	8399	9225	7058	6148
1948 Regional Surplus/Deficit	7278	3667	2381	8463	5323	4519	7482	1753	3075	4005	7964	12264	15975	9160	6821
1949 Regional Surplus/Deficit	6992	7817	4095	4227	2986	2075	2983	1724	7903	4168	9833	10644	9207	4220	5372
1950 Regional Surplus/Deficit	4447	1566	1251	3666	3354	879	4530	7224	9402	8670	8907	8540	14767	10351	6313
1951 Regional Surplus/Deficit	6714	7255	3192	6151	6668	9494	10551	11622	7218	8596	9713	10956	8378	9330	8308
1952 Regional Surplus/Deficit	6912	6900	3715	7323	3704	5608	6768	4785	4519	8212	9735	12435	9751	6046	6711
1953 Regional Surplus/Deficit	6900	3395	2102	3153	2641	647	3304	6657	925	-7.9	3506	8374	14039	9741	4873
1954 Regional Surplus/Deficit	7429	5173	2719	4100	3402	4159	5680	7236	4063	7455	6208	9149	13056	11762	6538
1955 Regional Surplus/Deficit	9104	7551	7733	5265	4613	3692	912	-937	-911	2017	939	3878	15245	13309	5217
1956 Regional Surplus/Deficit	7022	7491	2596	5797	5560	8206	11535	5825	8151	9108	12638	12622	16047	10020	8707
1957 Regional Surplus/Deficit	7691	6302	2800	4840	3004	4493	4667	886	3260	9187	6552	11818	14739	5927	5942
1958 Regional Surplus/Deficit	5131	2652	1908	3614	2763	1486	4350	4998	4010	2326	7309	10745	12010	5214	4984
1959 Regional Surplus/Deficit	5138	3255	2185	3572	4553	5682	10264	7625	3908	6672	5800	7489	12884	10504	6592
1960 Regional Surplus/Deficit	6814	5802	7720	9718	7236	6972	6541	2215	3790	11939	8688	6789	10258	7444	7109
1961 Regional Surplus/Deficit	7314	3450	2301	3745	3824	2131	5283	6268	5230	6093	5928	7640	14048	6398	5688
1962 Regional Surplus/Deficit	5421	3816	1512	3598	2859	909	4546	25	-169	8724	9997	6958	8240	7585	4170
1963 Regional Surplus/Deficit	6645	4551	2055	4711	4663	5670	4858	3933	2097	2247	2957	7957	9272	7052	5039
1964 Regional Surplus/Deficit	7596	4980	2828	3356	3422	1521	4615	1361	-100	4110	4374	6254	15426	12334	5129
1965 Regional Surplus/Deficit	7290	6829	4202	5446	3472	8553	12270	10164	7068	5811	9967	10310	11125	6812	7864
1966 Regional Surplus/Deficit	7211	6484	2990	4472	3382	3545	6469	681	713	6986	4089	6640	7405	7943	4719
1967 Regional Surplus/Deficit	7143	4623	1830	3381	3030	2642	7424	8805	2128	5673	3490	4891	14405	10510	5793
1968 Regional Surplus/Deficit	6865	5824	2905	4695	3481	3449	6552	5813	4456	-355	2801	4369	10564	9347	5267
1969 Regional Surplus/Deficit	7060	6488	5089	6119	5448	5387	10012	7689	4892	10697	10150	12480	10454	7509	7690
1970 Regional Surplus/Deficit	7128	3519	2322	3831	3187	1767	5643	5243	892	777	4074	6731	11618	4353	4445
1971 Regional Surplus/Deficit	4872	2745	1727	3675	3445	1830	9111	12275	6514	7265	8823	12659	14892	11181	7430
1972 Regional Surplus/Deficit	7744	7940	3392	4115	3680	3992	8650	11549	12254	12669	7155	12242	15637	11869	8761
1973 Regional Surplus/Deficit	8721	7384	4277	4206	3103	4689	6909	-1110	-117	-828	634	1031	5283	4247	3373
1974 Regional Surplus/Deficit	3989	1492	1167	2781	2718	6300	13721	12493	9084	10315	11480	11386	16148	14377	8651
1975 Regional Surplus/Deficit	7980	7890	4094	3119	3040	2621	6158	3877	6000	3812	4841	8626	12621	12149	6214
1976 Regional Surplus/Deficit	5696	4459	3095	5357	6201	10752	10751	7858	5164	10004	8235	11514	9188	11173	7938
1977 Regional Surplus/Deficit	10395	9627	8808	4281	2631	967	1782	-1839	-1423	-1267	-946	182	2407	2010	2392
1978 Regional Surplus/Deficit	3963	1367	972	2049	2637	1899	4515	1800	5857	4131	5914	7935	7991	8267	4301
Top Ten Percent	6233	5727	2689	4840	4965	7749	11042	9869	8374	10139	9844	11744	13080	11354	8473
Middle Eighty Percent	6384	4476	2837	4182	3409	3124	5237	3452	3053	4567	5750	7707	10507	7634	5144
Bottom Ten Percent	4935	2994	1676	3217	2414	817	-397	-1592	-406	-1.9	8.1	-130	4162	3293	1419

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6910	3031	1849	3204	2562	492	463	-2663	-633	-842	-417	-1256	5042	4041	1454
1930 Regional Surplus/Deficit	3538	2067	1247	2941	2179	214	-2457	-413	-614	-170	-397	-1831	3638	4074	958
1931 Regional Surplus/Deficit	4266	2462	1506	2910	2237	17	-2164	-2727	-836	98	-917	-1619	2808	2832	660
1932 Regional Surplus/Deficit	3884	1541	1302	2608	2006	63	-1950	-2539	2129	6007	9664	7834	9934	6638	3214
1933 Regional Surplus/Deficit	6962	5148	1929	3184	2892	2470	5799	4081	-448	2048	3100	5031	14185	12009	4980
1934 Regional Surplus/Deficit	6604	6605	3297	6357	5978	10696	12165	9414	6390	10998	9758	7045	3246	5228	7233
1935 Regional Surplus/Deficit	3220	989	1150	2949	2950	1749	5229	6046	-1421	881	3990	3935	7870	6629	3469
1936 Regional Surplus/Deficit	5816	3128	1569	2990	2183	81	-1282	-2363	-93	-166	4125	10115	7252	4287	2599
1937 Regional Surplus/Deficit	5194	2273	1447	2934	2123	320	-2374	-2589	-738	-108	-439	-1323	4011	3657	911
1938 Regional Surplus/Deficit	4540	1581	1320	3503	2980	1260	6557	810	3785	4736	6300	8905	8527	6059	4357
1939 Regional Surplus/Deficit	4207	1893	2204	3284	2471	686	2242	-1687	536	1234	2848	5988	4101	4745	2472
1940 Regional Surplus/Deficit	5573	2416	1404	3417	2100	1141	710	337	4335	2808	4177	3092	4545	2767	2611
1941 Regional Surplus/Deficit	3647	1728	1219	3066	1964	1401	1267	-2134	-542	-1100	-337	-573	3976	1993	1134
1942 Regional Surplus/Deficit	3446	1835	1629	2796	1416	4612	5555	-977	-1682	249	1800	2873	9873	7483	3104
1943 Regional Surplus/Deficit	6629	5038	1845	2996	2799	1841	5126	4403	5059	11202	9810	8916	10500	9042	5739
1944 Regional Surplus/Deficit	6872	5285	2101	3456	2523	786	1381	-2143	-1301	-822	-705	-2001	2341	1808	1189
1945 Regional Surplus/Deficit	3741	1109	1266	2281	1816	217	-1867	-1357	-904	-561	-374	3662	8435	4780	1691
1946 Regional Surplus/Deficit	4036	3114	1312	3554	2906	1313	3424	3435	5520	6069	8288	9653	9430	7786	4924
1947 Regional Surplus/Deficit	7122	4726	2497	3375	3151	6772	7166	6307	6017	3664	6561	7069	8425	6640	5705
1948 Regional Surplus/Deficit	7047	3436	2210	8314	5113	4254	7021	1348	2683	3590	7406	10935	15175	8744	6378
1949 Regional Surplus/Deficit	6762	7589	3926	4075	2776	1804	2518	1317	7511	3753	9277	9314	8405	3800	4928
1950 Regional Surplus/Deficit	4215	1333	1078	3511	3144	610	4066	6824	9011	8255	8350	7211	13968	9934	5869
1951 Regional Surplus/Deficit	6484	7027	3022	6000	6458	9231	10091	11226	6826	8182	9156	9628	7576	8913	7866
1952 Regional Surplus/Deficit	6682	6672	3545	7173	3495	5341	6307	4386	4124	7798	9177	11106	8949	5628	6268
1953 Regional Surplus/Deficit	6670	3163	1930	2998	2431	378	2833	6259	530	-424	2945	7044	13239	9323	4429
1954 Regional Surplus/Deficit	7199	4944	2548	3947	3193	3889	5218	6839	3670	7041	5649	7821	12256	11346	6095
1955 Regional Surplus/Deficit	8875	7324	7568	5114	4404	3424	443	-1347	-1311	1601	381	2544	14446	12893	4772
1956 Regional Surplus/Deficit	6792	7263	2425	5646	5349	7942	11075	5427	7758	8696	12082	11293	15247	9603	8265
1957 Regional Surplus/Deficit	7462	6074	2630	4688	2794	4225	4203	478	2867	8772	5994	10489	13940	5508	5498
1958 Regional Surplus/Deficit	4900	2419	1736	3460	2553	1215	3885	4595	3618	1910	6750	9415	11210	4793	4539
1959 Regional Surplus/Deficit	4906	3024	2013	3419	4343	5415	9805	7229	3513	6258	5242	6160	12085	10086	6149
1960 Regional Surplus/Deficit	6585	5573	7556	9569	7027	6707	6081	1812	3395	11528	8132	5459	9457	7026	6667
1961 Regional Surplus/Deficit	7085	3217	2131	3592	3614	1860	4819	5870	4838	5679	5367	6311	13249	5979	5245
1962 Regional Surplus/Deficit	5190	3586	1340	3444	2648	637	4082	-379	-569	8309	9442	5628	7438	7167	3725
1963 Regional Surplus/Deficit	6415	4321	1883	4559	4454	5403	4397	3533	1698	1831	2396	6625	8471	6634	4595
1964 Regional Surplus/Deficit	7367	4750	2658	3202	3212	1250	4151	957	-500	3694	3814	4923	14626	11918	4684
1965 Regional Surplus/Deficit	7060	6601	4033	5296	3264	8285	11810	9768	6676	5396	9410	8981	10324	6393	7422
1966 Regional Surplus/Deficit	6982	6255	2820	4319	3173	3275	6007	279	313	6573	3529	5309	6601	7525	4274
1967 Regional Surplus/Deficit	6914	4391	1659	3227	2820	2372	6963	8409	1734	5259	2929	3560	13605	10093	5349
1968 Regional Surplus/Deficit	6635	5596	2735	4542	3272	3180	6090	5416	4064	-774	2240	3033	9764	8929	4823
1969 Regional Surplus/Deficit	6831	6260	4923	5969	5239	5120	9552	7293	4498	10284	9594	11152	9654	7091	7248
1970 Regional Surplus/Deficit	6897	3288	2151	3678	2978	1496	5177	4845	496	360	3516	5400	10816	3934	4000
1971 Regional Surplus/Deficit	4641	2512	1554	3520	3234	1560	8650	11879	6121	6850	8266	11331	14092	10764	6987
1972 Regional Surplus/Deficit	7515	7712	3222	3961	3470	3722	8188	11153	11864	12258	6598	10914	14837	11453	8319
1973 Regional Surplus/Deficit	8493	7157	4108	4053	2893	4420	6447	-1519	-517	-1246	71	-308	4477	3827	2926
1974 Regional Surplus/Deficit	3758	1259	994	2624	2508	6030	13261	12097	8693	9902	10924	10058	15348	13961	8208
1975 Regional Surplus/Deficit	7751	7663	3925	2965	2830	2350	5695	3478	5607	3398	4282	7296	11819	11732	5770
1976 Regional Surplus/Deficit	5466	4229	2925	5205	5992	10491	10291	7462	4772	9591	7678	10185	8385	10757	7496
1977 Regional Surplus/Deficit	10166	9401	8644	4129	2420	698	1314	-2250	-1825	-1688	-1512	-1156	1597	1586	1945
1978 Regional Surplus/Deficit	3731	1134	800	1892	2427	1627	4048	1395	5466	3717	5357	6605	7188	7849	3856
Top Ten Percent	6003	5498	2518	4687	4755	7483	10581	9473	7983	9726	9288	10415	12279	10937	8031
Middle Eighty Percent	6154	4246	2667	4029	3199	2855	4773	3049	2657	4151	5191	6376	9705	7216	4700
Bottom Ten Percent	4703	2763	1504	3061	2205	548	-869	-2001	-806	-420	-559	-1470	3355	2873	970

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6451	2604	1442	2721	2111	-4.3	224	-2773	-536	-228	252	-1154	5614	3771	1330
1930 Regional Surplus/Deficit	3077	1639	839	2456	1729	-282	-2700	-521	-516	446	272	-1730	4208	3805	834
1931 Regional Surplus/Deficit	3807	2035	1098	2425	1787	-479	-2406	-2837	-739	716	-248	-1517	3379	2562	536
1932 Regional Surplus/Deficit	3425	1113	894	2123	1556	-435	-2192	-2650	2229	6625	10341	7943	10510	6368	3091
1933 Regional Surplus/Deficit	6503	4723	1523	2701	2443	1974	5565	3979	-349	2666	3775	5140	14760	11739	4859
1934 Regional Surplus/Deficit	6145	6180	2893	5877	5530	10208	11932	9313	6494	11616	10436	7154	3814	4958	7113
1935 Regional Surplus/Deficit	2761	562	744	2464	2500	1252	4995	5945	-1321	1499	4666	4041	8444	6359	3347
1936 Regional Surplus/Deficit	5357	2703	1162	2506	1734	-416	-1522	-2473	5.1	450	4802	10224	7827	4017	2477
1937 Regional Surplus/Deficit	4735	1846	1040	2450	1673	-176	-2616	-2699	-640	508	231	-1223	4580	3387	786
1938 Regional Surplus/Deficit	4081	1155	913	3019	2530	765	6322	706	3888	5354	6977	9014	9102	5789	4236
1939 Regional Surplus/Deficit	3748	1466	1798	2801	2021	190	2006	-1795	635	1852	3523	6096	4670	4475	2349
1940 Regional Surplus/Deficit	5114	1989	997	2933	1651	644	470	228	4438	3426	4854	3199	5115	2497	2489
1941 Regional Surplus/Deficit	3188	1301	812	2583	1515	906	1027	-2244	-444	-482	338	-469	4547	1723	1011
1942 Regional Surplus/Deficit	2987	1408	1223	2313	967	4117	5321	-1085	-1585	867	2476	2979	10448	7213	2982
1943 Regional Surplus/Deficit	6169	4613	1439	2513	2349	1345	4892	4299	5162	11821	10487	9024	11075	8772	5618
1944 Regional Surplus/Deficit	6413	4860	1694	2973	2072	290	1142	-2254	-1205	-207	-34	-1898	2911	1536	1065
1945 Regional Surplus/Deficit	3281	681	858	1797	1366	-280	-2110	-1467	-808	54	295	3770	9010	4510	1567
1946 Regional Surplus/Deficit	3576	2689	905	3069	2456	818	3186	3331	5624	6687	8966	9762	10006	7516	4803
1947 Regional Surplus/Deficit	6662	4301	2092	2892	2701	6276	6933	6206	6121	4282	7239	7178	9000	6370	5584
1948 Regional Surplus/Deficit	6588	3010	1804	7834	4664	3760	6787	1241	2786	4208	8084	11044	15749	8474	6257
1949 Regional Surplus/Deficit	6303	7164	3521	3593	2326	1307	2282	1209	7615	4371	9954	9422	8980	3530	4807
1950 Regional Surplus/Deficit	3755	905	671	3027	2694	115	3831	6721	9115	8874	9028	7320	14543	9664	5748
1951 Regional Surplus/Deficit	6024	6602	2616	5519	6009	8741	9858	11125	6929	8800	9834	9736	8151	8643	7746
1952 Regional Surplus/Deficit	6223	6247	3140	6693	3046	4847	6073	4284	4225	8416	9855	11215	9524	5358	6148
1953 Regional Surplus/Deficit	6211	2737	1523	2514	1981	-118	2593	6158	632	195	3621	7153	13814	9053	4307
1954 Regional Surplus/Deficit	6740	4519	2142	3465	2743	3393	4984	6738	3772	7659	6327	7929	12831	11076	5975
1955 Regional Surplus/Deficit	8416	6899	7166	4633	3955	2929	204	-1457	-1215	2219	1059	2650	15021	12623	4651
1956 Regional Surplus/Deficit	6333	6838	2019	5164	4900	7451	10842	5327	7862	9314	12760	11402	15822	9333	8145
1957 Regional Surplus/Deficit	7002	5649	2224	4206	2344	3730	3968	370	2970	9391	6672	10598	14515	5238	5377
1958 Regional Surplus/Deficit	4440	1991	1329	2977	2103	718	3650	4491	3721	2528	7428	9524	11785	4524	4418
1959 Regional Surplus/Deficit	4447	2598	1606	2937	3894	4921	9571	7128	3615	6877	5920	6269	12660	9817	6028
1960 Regional Surplus/Deficit	6126	5148	7153	9089	6578	6216	5848	1707	3496	12146	8809	5568	10032	6756	6546
1961 Regional Surplus/Deficit	6626	2790	1725	3109	3165	1363	4584	5769	4941	6297	6043	6420	13824	5710	5124
1962 Regional Surplus/Deficit	4731	3160	932	2961	2197	140	3846	-485	-472	8927	10119	5736	8013	6897	3603
1963 Regional Surplus/Deficit	5956	3896	1476	4078	4004	4909	4163	3432	1795	2450	3071	6734	9046	6364	4474
1964 Regional Surplus/Deficit	6907	4325	2252	2719	2761	753	3915	851	-403	4312	4490	5031	15201	11648	4562
1965 Regional Surplus/Deficit	6601	6176	3628	4816	2814	7792	11577	9667	6779	6014	10087	9090	10899	6123	7302
1966 Regional Surplus/Deficit	6523	5830	2415	3837	2724	2779	5773	174	411	7191	4206	5418	7175	7255	4153
1967 Regional Surplus/Deficit	6455	3964	1251	2744	2369	1876	6730	8308	1835	5878	3604	3669	14180	9823	5228
1968 Regional Surplus/Deficit	6175	5171	2329	4060	2823	2684	5857	5315	4167	-158	2915	3138	10339	8659	4702
1969 Regional Surplus/Deficit	6371	5835	4520	5488	4790	4626	9319	7192	4601	10902	10271	11260	10229	6821	7128
1970 Regional Surplus/Deficit	6438	2861	1744	3196	2527	999	4940	4744	596	978	4193	5508	11391	3664	3879
1971 Regional Surplus/Deficit	4182	2084	1147	3037	2783	1064	8416	11778	6225	7469	8944	11439	14667	10494	6866
1972 Regional Surplus/Deficit	7056	7287	2816	3478	3020	3226	7955	11052	11968	12876	7275	11022	15412	11183	8198
1973 Regional Surplus/Deficit	8034	6732	3702	3571	2443	3925	6214	-1629	-419	-630	744	-205	5048	3557	2804
1974 Regional Surplus/Deficit	3299	831	586	2139	2058	5535	13028	11996	8796	10521	11602	10166	15923	13691	8087
1975 Regional Surplus/Deficit	7292	7238	3519	2481	2379	1854	5461	3375	5710	4016	4959	7405	12395	11463	5649
1976 Regional Surplus/Deficit	5006	3804	2520	4724	5542	10002	10058	7361	4875	10210	8356	10294	8960	10487	7376
1977 Regional Surplus/Deficit	9707	8976	8242	3646	1970	201	1075	-2360	-1729	-1074	-841	-1054	2165	1314	1821
1978 Regional Surplus/Deficit	3272	707	392	1407	1976	1131	3812	1288	5569	4336	6034	6714	7763	7579	3734
Top Ten Percent	5544	5073	2112	4205	4306	6991	10348	9372	8086	10344	9965	10524	12854	10668	7911
Middle Eighty Percent	5695	3820	2261	3546	2749	2359	4537	2944	2758	4769	5867	6484	10280	6946	4578
Bottom Ten Percent	4244	2337	1097	2577	1755	52	-1111	-2111	-709	196	112	-1367	3925	2603	846

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6163	2308	1182	2514	1931	-257	-49	-3341	-1156	-919	-590	-1662	4591	3533	897
1930 Regional Surplus/Deficit	2786	1344	579	2247	1550	-534	-2978	-1085	-1136	-243	-570	-2240	3183	3566	401
1931 Regional Surplus/Deficit	3518	1741	838	2216	1608	-731	-2684	-3404	-1360	29	-1092	-2026	2354	2324	103
1932 Regional Surplus/Deficit	3136	817	634	1914	1376	-690	-2470	-3218	1613	5940	9510	7442	9491	6130	2660
1933 Regional Surplus/Deficit	6215	4431	1264	2494	2265	1722	5299	3423	-966	1980	2940	4638	13743	11503	4431
1934 Regional Surplus/Deficit	5856	5889	2637	5673	5352	9966	11667	8759	5881	10932	9605	6654	2787	4720	6686
1935 Regional Surplus/Deficit	2472	267	486	2255	2321	998	4727	5390	-1938	813	3831	3536	7423	6122	2918
1936 Regional Surplus/Deficit	5069	2410	904	2299	1555	-667	-1796	-3040	-614	-238	3970	9723	6808	3779	2046
1937 Regional Surplus/Deficit	4446	1552	780	2241	1495	-428	-2893	-3266	-1260	-182	-610	-1734	3554	3149	353
1938 Regional Surplus/Deficit	3792	861	654	2811	2352	513	6054	146	3274	4669	6145	8514	8082	5551	3807
1939 Regional Surplus/Deficit	3459	1172	1539	2594	1841	-62	1736	-2360	17	1166	2687	5594	3644	4237	1919
1940 Regional Surplus/Deficit	4825	1695	737	2726	1473	392	195	-336	3825	2740	4023	2695	4090	2258	2058
1941 Regional Surplus/Deficit	2899	1006	552	2377	1337	655	751	-2809	-1064	-1168	-498	-976	3524	1484	579
1942 Regional Surplus/Deficit	2697	1113	963	2105	789	3865	5056	-1648	-2205	181	1642	2476	9429	6976	2552
1943 Regional Surplus/Deficit	5881	4321	1180	2306	2169	1092	4626	3741	4549	11136	9656	8524	10057	8535	5190
1944 Regional Surplus/Deficit	6124	4568	1435	2766	1892	37	869	-2821	-1827	-897	-875	-2406	1885	1296	632
1945 Regional Surplus/Deficit	2991	385	598	1588	1186	-533	-2388	-2033	-1429	-636	-548	3268	7991	4272	1135
1946 Regional Surplus/Deficit	3286	2396	645	2861	2277	567	2914	2771	5011	6002	8134	9262	8987	7279	4374
1947 Regional Surplus/Deficit	6374	4009	1834	2686	2522	6026	6668	5651	5508	3596	6407	6677	7981	6133	5156
1948 Regional Surplus/Deficit	6300	2717	1545	7631	4486	3512	6521	680	2173	3522	7252	10545	14731	8238	5830
1949 Regional Surplus/Deficit	6015	6873	3264	3388	2146	1054	2013	646	7003	3686	9123	8922	7960	3292	4378
1950 Regional Surplus/Deficit	3466	609	410	2819	2515	-136	3563	6164	8503	8189	8196	6819	13525	9427	5320
1951 Regional Surplus/Deficit	5736	6311	2358	5315	5830	8496	9593	10572	6317	8115	9003	9236	7131	8406	7320
1952 Regional Surplus/Deficit	5935	5956	2883	6489	2868	4598	5807	3729	3610	7732	9024	10715	8505	5120	5721
1953 Regional Surplus/Deficit	5923	2443	1263	2306	1801	-370	2318	5604	17	-492	2787	6651	12796	8817	3878
1954 Regional Surplus/Deficit	6451	4227	1884	3259	2565	3141	4717	6183	3158	6974	5495	7429	11813	10840	5547
1955 Regional Surplus/Deficit	8128	6608	6912	4429	3777	2679	-70	-2023	-1836	1533	227	2145	14004	12387	4221
1956 Regional Surplus/Deficit	6045	6547	1760	4960	4720	7205	10577	4772	7249	8629	11929	10902	14805	9096	7719
1957 Regional Surplus/Deficit	6714	5357	1966	4001	2165	3479	3698	-194	2356	8706	5840	10099	13497	5000	4948
1958 Regional Surplus/Deficit	4151	1696	1070	2770	1923	465	3381	3932	3108	1842	6596	9023	10767	4285	3989
1959 Regional Surplus/Deficit	4158	2304	1347	2731	3716	4672	9306	6574	3000	6191	5087	5768	11642	9580	5600
1960 Regional Surplus/Deficit	5837	4857	6900	8886	6400	5969	5582	1147	2882	11462	7978	5066	9013	6519	6119
1961 Regional Surplus/Deficit	6337	2495	1467	2903	2986	1109	4315	5214	4328	5612	5209	5919	12806	5472	4695
1962 Regional Surplus/Deficit	4442	2866	672	2754	2017	-114	3577	-1046	-1093	8242	9289	5235	6993	6660	3173
1963 Regional Surplus/Deficit	5668	3604	1216	3873	3826	4660	3897	2876	1176	1763	2237	6233	8027	6126	4046
1964 Regional Surplus/Deficit	6619	4033	1994	2512	2581	500	3646	290	-1023	3626	3656	4530	14184	11412	4133
1965 Regional Surplus/Deficit	6313	5884	3371	4612	2636	7543	11312	9113	6167	5328	9256	8590	9880	5885	6875
1966 Regional Surplus/Deficit	6234	5539	2157	3632	2546	2527	5506	-385	-209	6506	3372	4917	6153	7018	3724
1967 Regional Surplus/Deficit	6167	3670	991	2536	2189	1623	6463	7754	1220	5192	2767	3167	13163	9586	4799
1968 Regional Surplus/Deficit	5887	4879	2071	3855	2644	2432	5590	4760	3554	-847	2079	2633	9321	8422	4273
1969 Regional Surplus/Deficit	6083	5543	4265	5285	4612	4376	9053	6638	3988	10218	9440	10761	9210	6583	6701
1970 Regional Surplus/Deficit	6149	2566	1484	2990	2347	745	4670	4189	-21	291	3360	5007	10372	3426	3449
1971 Regional Surplus/Deficit	3893	1789	886	2829	2603	813	8151	11225	5612	6783	8112	10940	13650	10257	6438
1972 Regional Surplus/Deficit	6767	6996	2558	3272	2841	2974	7689	10499	11356	12192	6443	10523	14395	10947	7771
1973 Regional Surplus/Deficit	7745	6441	3445	3365	2263	3674	5947	-2194	-1040	-1319	-95	-713	4024	3318	2373
1974 Regional Surplus/Deficit	3009	534	326	1930	1878	5284	12764	11443	8184	9836	10772	9666	14905	13456	7659
1975 Regional Surplus/Deficit	7004	6947	3262	2274	2198	1601	5194	2819	5096	3330	4126	6904	11376	11226	5221
1976 Regional Surplus/Deficit	4718	3512	2262	4520	5364	9760	9793	6807	4262	9525	7524	9794	7941	10250	6949
1977 Regional Surplus/Deficit	9420	8685	7989	3441	1789	-51	802	-2927	-2352	-1766	-1681	-1563	1138	1072	1389
1978 Regional Surplus/Deficit	2982	411	132	1198	1797	878	3541	727	4956	3650	5202	6213	6743	7342	3304
Top Ten Percent	5255	4780	1853	3999	4127	6744	10083	8818	7474	9660	9134	10024	11835	10431	7484
Middle Eighty Percent	5406	3527	2003	3340	2570	2108	4269	2385	2143	4083	5034	5982	9260	6708	4149
Bottom Ten Percent	3955	2042	837	2369	1576	-200	-1387	-2677	-1329	-492	-729	-1876	2900	2364	414

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5925	2071	965	2267	1651	-570	-344	-3484	-1285	-689	-214	-1303	5153	3266	822
1930 Regional Surplus/Deficit	2547	1107	362	1998	1272	-847	-3277	-1225	-1265	-12	-194	-1881	3745	3300	326
1931 Regional Surplus/Deficit	3280	1505	621	1966	1329	-1044	-2982	-3547	-1489	263	-717	-1666	2915	2058	27
1932 Regional Surplus/Deficit	2898	580	417	1665	1097	-1005	-2768	-3361	1488	6174	9895	7808	10057	5864	2586
1933 Regional Surplus/Deficit	5977	4197	1049	2246	1986	1409	5009	3289	-1093	2214	3322	5004	14309	11236	4358
1934 Regional Surplus/Deficit	5619	5655	2424	5429	5074	9660	11378	8626	5759	11166	9990	7020	3346	4454	6615
1935 Regional Surplus/Deficit	2234	31	271	2006	2042	684	4437	5257	-2064	1047	4214	3900	7988	5855	2845
1936 Regional Surplus/Deficit	4831	2175	688	2051	1276	-980	-2091	-3183	-742	-6.0	4354	10089	7374	3513	1973
1937 Regional Surplus/Deficit	4208	1316	564	1993	1216	-741	-3191	-3408	-1388	49	-233	-1376	4115	2883	278
1938 Regional Surplus/Deficit	3554	626	438	2562	2074	201	5764	9	3150	4903	6529	8880	8649	5285	3735
1939 Regional Surplus/Deficit	3221	936	1324	2347	1562	-376	1445	-2501	-110	1399	3069	5959	4204	3971	1845
1940 Regional Surplus/Deficit	4587	1459	521	2479	1195	78	-100	-477	3703	2974	4407	3059	4651	1992	1984
1941 Regional Surplus/Deficit	2661	770	336	2129	1059	343	455	-2951	-1192	-934	-117	-614	4087	1216	505
1942 Regional Surplus/Deficit	2459	878	747	1857	511	3553	4766	-1787	-2334	415	2024	2840	9996	6709	2479
1943 Regional Surplus/Deficit	5643	4087	964	2058	1890	780	4336	3605	4427	11370	10041	8890	10623	8268	5118
1944 Regional Surplus/Deficit	5887	4334	1219	2518	1612	-276	574	-2964	-1957	-667	-497	-2046	2446	1028	557
1945 Regional Surplus/Deficit	2753	148	381	1339	907	-847	-2686	-2175	-1558	-405	-172	3634	8557	4006	1060
1946 Regional Surplus/Deficit	3048	2161	429	2612	1998	254	2621	2634	4888	6236	8518	9628	9553	7012	4301
1947 Regional Surplus/Deficit	6136	3775	1619	2439	2243	5714	6378	5517	5385	3830	6791	7044	8548	5866	5085
1948 Regional Surplus/Deficit	6062	2482	1330	7386	4208	3202	6232	542	2051	3756	7636	10911	15296	7971	5758
1949 Regional Surplus/Deficit	5777	6639	3050	3141	1867	740	1721	506	6880	3920	9507	9288	8527	3026	4306
1950 Regional Surplus/Deficit	3228	372	194	2570	2236	-449	3272	6029	8380	8423	8581	7185	14091	9161	5248
1951 Regional Surplus/Deficit	5498	6076	2143	5070	5552	8189	9303	10438	6194	8349	9387	9602	7697	8140	7249
1952 Regional Surplus/Deficit	5697	5721	2669	6245	2589	4287	5518	3595	3485	7965	9408	11081	9072	4854	5649
1953 Regional Surplus/Deficit	5685	2208	1047	2058	1522	-683	2022	5471	-108	-258	3169	7017	13362	8550	3805
1954 Regional Surplus/Deficit	6214	3992	1669	3013	2286	2828	4427	6050	3034	7207	5879	7795	12379	10573	5475
1955 Regional Surplus/Deficit	7890	6374	6701	4184	3499	2367	-365	-2165	-1966	1767	611	2509	14570	12120	4148
1956 Regional Surplus/Deficit	5807	6313	1545	4714	4442	6897	10288	4639	7127	8863	12314	11268	15371	8830	7647
1957 Regional Surplus/Deficit	6476	5123	1751	3755	1886	3167	3407	-334	2233	8940	6224	10465	14063	4733	4876
1958 Regional Surplus/Deficit	3914	1459	854	2522	1644	151	3089	3796	2986	2076	6980	9389	11333	4019	3916
1959 Regional Surplus/Deficit	3920	2069	1131	2484	3437	4362	9017	6441	2875	6425	5472	6134	12208	9313	5529
1960 Regional Surplus/Deficit	5599	4622	6688	8641	6123	5660	5293	1010	2757	11696	8362	5432	9579	6252	6048
1961 Regional Surplus/Deficit	6099	2259	1251	2656	2707	795	4024	5081	4205	5845	5591	6285	13372	5205	4623
1962 Regional Surplus/Deficit	4204	2631	456	2507	1737	-428	3285	-1184	-1222	8476	9673	5601	7560	6393	3100
1963 Regional Surplus/Deficit	5430	3370	1000	3628	3548	4350	3608	2742	1047	1997	2619	6599	8594	5860	3974
1964 Regional Surplus/Deficit	6381	3799	1779	2264	2301	186	3354	152	-1152	3860	4038	4896	14750	11145	4060
1965 Regional Surplus/Deficit	6075	5650	3157	4367	2358	7233	11023	8980	6044	5562	9641	8956	10446	5619	6804
1966 Regional Surplus/Deficit	5996	5304	1943	3386	2268	2214	5216	-522	-337	6740	3755	5283	6718	6752	3651
1967 Regional Surplus/Deficit	5929	3434	775	2289	1910	1310	6174	7620	1096	5426	3149	3533	13729	9320	4727
1968 Regional Surplus/Deficit	5649	4645	1856	3608	2366	2119	5301	4627	3431	-615	2460	2995	9887	8156	4201
1969 Regional Surplus/Deficit	5845	5309	4052	5040	4333	4065	8764	6505	3865	10451	9825	11127	9777	6317	6630
1970 Regional Surplus/Deficit	5912	2330	1268	2744	2068	431	4378	4056	-146	525	3744	5373	10938	3159	3377
1971 Regional Surplus/Deficit	3655	1552	670	2581	2323	500	7861	11092	5489	7017	8497	11306	14216	9991	6366
1972 Regional Surplus/Deficit	6530	6762	2343	3025	2562	2661	7399	10366	11233	12426	6828	10889	14961	10681	7699
1973 Regional Surplus/Deficit	7508	6206	3230	3118	1984	3362	5658	-2336	-1168	-1087	285	-353	4586	3051	2299
1974 Regional Surplus/Deficit	2772	297	108	1681	1599	4972	12474	11310	8061	10070	11156	10033	15471	13189	7587
1975 Regional Surplus/Deficit	6766	6713	3047	2026	1918	1288	4904	2685	4973	3564	4510	7270	11943	10960	5149
1976 Regional Surplus/Deficit	4480	3278	2048	4274	5085	9455	9504	6674	4140	9759	7908	10160	8507	9984	6879
1977 Regional Surplus/Deficit	9182	8450	7777	3195	1509	-364	507	-3070	-2482	-1536	-1303	-1203	1698	803	1314
1978 Regional Surplus/Deficit	2744	174	-84	949	1517	565	3248	589	4834	3884	5586	6579	7309	7075	3231
Top Ten Percent	5017	4545	1638	3753	3848	6435	9794	8685	7351	9893	9519	10390	12401	10165	7412
Middle Eighty Percent	5168	3292	1787	3093	2291	1795	3977	2248	2017	4316	5417	6348	9825	6442	4077
Bottom Ten Percent	3717	1806	620	2121	1297	-513	-1684	-2819	-1458	-260	-352	-1516	3461	2097	339

Regional Surplus/Deficit by Water Year
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5672	1780	717	2002	1395	-859	-621	-3812	-1486	-924	-450	-2097	4124	3019	452
1930 Regional Surplus/Deficit	2293	817	114	1733	1017	-1135	-3556	-1551	-1465	-246	-431	-2676	2714	3053	-45
1931 Regional Surplus/Deficit	3027	1214	372	1701	1074	-1332	-3260	-3875	-1690	29	-955	-2460	1885	1811	-343
1932 Regional Surplus/Deficit	2645	289	169	1400	842	-1294	-3047	-3689	1289	5940	9662	7017	9029	5617	2217
1933 Regional Surplus/Deficit	5723	3907	801	1982	1732	1120	4735	2966	-1292	1981	3088	4213	13281	10990	3990
1934 Regional Surplus/Deficit	5365	5365	2178	5166	4819	9376	11104	8303	5561	10932	9757	6229	2315	4207	6247
1935 Regional Surplus/Deficit	1981	-260	23	1741	1787	395	4162	4934	-2263	813	3980	3108	6960	5609	2476
1936 Regional Surplus/Deficit	4578	1886	440	1786	1022	-1269	-2369	-3510	-942	-240	4122	9299	6346	3266	1603
1937 Regional Surplus/Deficit	3955	1025	316	1728	961	-1029	-3470	-3736	-1589	-185	-469	-2171	3084	2636	-92
1938 Regional Surplus/Deficit	3300	336	190	2297	1819	-87	5489	-316	2952	4669	6297	8089	7621	5039	3366
1939 Regional Surplus/Deficit	2968	645	1077	2083	1306	-665	1169	-2828	-310	1166	2835	5168	3174	3724	1476
1940 Regional Surplus/Deficit	4334	1168	273	2215	940	-211	-378	-804	3505	2740	4174	2267	3621	1745	1615
1941 Regional Surplus/Deficit	2408	480	88	1865	805	55	177	-3278	-1392	-1168	-351	-1407	3057	970	135
1942 Regional Surplus/Deficit	2205	587	499	1593	256	3264	4492	-2114	-2535	181	1791	2048	8968	6463	2110
1943 Regional Surplus/Deficit	5390	3797	716	1794	1635	491	4062	3281	4229	11137	9808	8099	9595	8022	4749
1944 Regional Surplus/Deficit	5633	4045	971	2254	1357	-564	297	-3292	-2158	-903	-733	-2839	1415	781	187
1945 Regional Surplus/Deficit	2499	-143	133	1073	652	-1136	-2965	-2502	-1759	-640	-409	2842	7530	3760	690
1946 Regional Surplus/Deficit	2794	1871	181	2347	1743	-34	2345	2309	4691	6002	8286	8837	8525	6766	3932
1947 Regional Surplus/Deficit	5883	3485	1372	2175	1988	5426	6104	5194	5188	3596	6558	6253	7520	5620	4717
1948 Regional Surplus/Deficit	5808	2191	1082	7123	3953	2915	5958	216	1853	3522	7404	10120	14268	7725	5390
1949 Regional Surplus/Deficit	5524	6349	2803	2878	1612	451	1445	179	6682	3686	9274	8497	7499	2779	3937
1950 Regional Surplus/Deficit	2974	81	-54	2306	1981	-737	2997	5705	8183	8189	8348	6394	13064	8914	4879
1951 Regional Surplus/Deficit	5244	5787	1895	4807	5298	7904	9029	10115	5997	8115	9154	8811	6670	7893	6881
1952 Regional Surplus/Deficit	5443	5432	2422	5982	2335	3999	5243	3271	3287	7732	9176	10291	8044	4607	5281
1953 Regional Surplus/Deficit	5431	1918	799	1793	1267	-972	1745	5148	-307	-492	2936	6226	12334	8304	3436
1954 Regional Surplus/Deficit	5960	3703	1421	2749	2031	2540	4153	5727	2836	6974	5646	7004	11352	10327	5107
1955 Regional Surplus/Deficit	7637	6084	6455	3921	3244	2079	-642	-2493	-2167	1533	378	1717	13542	11874	3779
1956 Regional Surplus/Deficit	5553	6023	1297	4451	4187	6611	10014	4316	6929	8630	12081	10477	14343	8584	7279
1957 Regional Surplus/Deficit	6223	4833	1503	3491	1631	2879	3132	-661	2035	8706	5991	9674	13036	4487	4507
1958 Regional Surplus/Deficit	3660	1169	606	2258	1389	-139	2814	3471	2788	1842	6748	8599	10306	3773	3548
1959 Regional Surplus/Deficit	3667	1778	883	2220	3182	4074	8743	6118	2677	6192	5239	5343	11180	9067	5160
1960 Regional Surplus/Deficit	5346	4333	6442	8378	5868	5374	5019	685	2559	11462	8129	4641	8551	6006	5680
1961 Regional Surplus/Deficit	5846	1969	1004	2392	2452	506	3748	4758	4008	5612	5358	5495	12345	4959	4255
1962 Regional Surplus/Deficit	3950	2340	207	2243	1482	-718	3010	-1510	-1423	8242	9440	4810	6532	6147	2731
1963 Regional Surplus/Deficit	5176	3080	752	3364	3293	4062	3333	2419	847	1764	2385	5808	7566	5614	3605
1964 Regional Surplus/Deficit	6128	3509	1531	2000	2046	-103	3079	-173	-1352	3626	3805	4105	13722	10899	3691
1965 Regional Surplus/Deficit	5822	5361	2910	4104	2103	6946	10749	8657	5846	5329	9408	8165	9419	5373	6436
1966 Regional Surplus/Deficit	5743	5015	1696	3122	2013	1925	4941	-847	-537	6507	3522	4492	5689	6505	3283
1967 Regional Surplus/Deficit	5676	3143	527	2024	1655	1021	5900	7298	897	5192	2915	2743	12701	9073	4358
1968 Regional Surplus/Deficit	5396	4356	1608	3345	2111	1831	5027	4304	3233	-850	2226	2203	8859	7909	3833
1969 Regional Surplus/Deficit	5592	5019	3806	4777	4079	3778	8490	6182	3667	10218	9592	10336	8749	6070	6262
1970 Regional Surplus/Deficit	5658	2040	1020	2480	1813	142	4102	3733	-346	291	3510	4582	9911	2913	3008
1971 Regional Surplus/Deficit	3402	1261	421	2317	2068	212	7587	10769	5292	6784	8264	10515	13188	9745	5997
1972 Regional Surplus/Deficit	6276	6472	2096	2761	2307	2372	7125	10043	11036	12192	6595	10098	13933	10435	7331
1973 Regional Surplus/Deficit	7254	5917	2983	2854	1729	3074	5384	-2663	-1369	-1322	50	-1147	3556	2804	1930
1974 Regional Surplus/Deficit	2518	5.7	-140	1415	1344	4684	12200	10987	7864	9836	10923	9242	14443	12943	7219
1975 Regional Surplus/Deficit	6512	6423	2800	1761	1663	999	4629	2361	4775	3330	4277	6479	10915	10714	4781
1976 Regional Surplus/Deficit	4227	2988	1800	4011	4830	9170	9229	6351	3942	9526	7676	9369	7479	9737	6511
1977 Regional Surplus/Deficit	8928	8161	7531	2931	1254	-652	230	-3398	-2684	-1772	-1539	-1997	667	555	944
1978 Regional Surplus/Deficit	2490	-117	-332	683	1262	276	2972	263	4636	3650	5353	5788	6282	6829	2862
Top Ten Percent	4764	4255	1390	3489	3593	6148	9519	8362	7154	9660	9286	9599	11374	9918	7044
Middle Eighty Percent	4915	3002	1540	2829	2036	1507	3702	1923	1819	4082	5183	5556	8797	6195	3708
Bottom Ten Percent	3463	1516	372	1856	1043	-801	-1963	-3146	-1659	-495	-588	-2310	2431	1850	-32

THIS PAGE INTENTIONALLY LEFT BLANK

Section 8

Monthly OY 2006 – 2015

Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro	A-3
Independent Hydro	A-4
Imports	A-5
Small Thermal & Miscellaneous	A-6
Combustion Turbines	A-7
Renewable Resources	A-8
Cogeneration	A-9
Large Thermal	A-10
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 ³
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 Sales Contracts	A-22
Non-Utility Generating Resources By Owner	A-23
Regional Non-Utility Generating Resources By Project	A-24
Dedicated Resources	A-25
Other Dedicated Resources	A-26

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.

³ Capacity Reserves are not applicable to energy.

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-1
Total Retail Loads
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	127	127	117	119	132	143	145	140	129	120	119	117	118	128	128
2 Total Federal Entities	127	127	117	119	132	143	145	140	129	120	119	117	118	128	128
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296
6 Total Direct Service Industry	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296
-Generating Public Entities-															
7 Generating Public Entities	4315	4315	4336	4675	5414	5852	6076	5776	5452	5177	5165	4792	4526	4446	5069
8 Total Generating Public Entities	4315	4315	4336	4675	5414	5852	6076	5776	5452	5177	5165	4792	4526	4446	5069
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3405	3405	3082	3118	3508	3914	3923	3762	3392	3232	3224	3245	3418	3546	3462
10 Total Non-Generating Public Entities	3405	3405	3082	3118	3508	3914	3923	3762	3392	3232	3224	3245	3418	3546	3462
-Investor-Owned Entities-															
11 Investor-Owned Entities	10904	10877	10115	10130	11029	12162	12580	12054	11135	10247	10266	10143	10619	11188	11025
12 Total Investor-Owned Entities	10904	10877	10115	10130	11029	12162	12580	12054	11135	10247	10266	10143	10619	11188	11025
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	441	407	288	248	132	143	145	141	149	367	430	380	418	459	277
16 Direct Service Industry	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296
17 Public Entities	7720	7720	7418	7793	8921	9767	9999	9538	8844	8409	8388	8037	7944	7992	8531
18 Investor-Owned Entities	10904	10877	10115	10130	11029	12162	12580	12054	11135	10247	10266	10143	10619	11188	11025
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	19541	19480	18297	18647	20559	22548	23200	22208	20604	19500	19560	19035	19457	20115	20309
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	441	407	288	248	132	143	145	141	149	367	430	380	418	459	277
30 Direct Service Industry	296	296	296	296	296	296	296	296	296	296	296	296	296	296	296
31 Public Entities	7720	7720	7418	7793	8921	9767	9999	9538	8844	8409	8388	8037	7944	7992	8531
32 Investor-Owned Entities	10904	10877	10129	10130	11029	12162	12584	12077	11189	10281	10300	10143	10619	11188	11036
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	19541	19480	18311	18647	20559	22548	23204	22231	20659	19534	19594	19035	19457	20115	20320

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	128	128	117	126	140	151	154	148	137	126	126	123	125	134	134
2 Total Federal Entities	128	128	117	126	140	151	154	148	137	126	126	123	125	134	134
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
6 Total Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
-Generating Public Entities-															
7 Generating Public Entities	4435	4435	4458	4773	5525	5968	6159	5850	5523	5245	5233	4855	4583	4501	5156
8 Total Generating Public Entities	4435	4435	4458	4773	5525	5968	6159	5850	5523	5245	5233	4855	4583	4501	5156
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3471	3471	3138	3170	3549	3961	3970	3812	3438	3273	3265	3290	3471	3600	3512
10 Total Non-Generating Public Entities	3471	3471	3138	3170	3549	3961	3970	3812	3438	3273	3265	3290	3471	3600	3512
-Investor-Owned Entities-															
11 Investor-Owned Entities	11117	11090	10305	10341	11215	12426	12683	12133	11193	10423	10443	10313	10787	11392	11194
12 Total Investor-Owned Entities	11117	11090	10305	10341	11215	12426	12683	12133	11193	10423	10443	10313	10787	11392	11194
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	442	408	289	254	140	151	154	149	157	374	436	386	424	466	283
16 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
17 Public Entities	7905	7905	7596	7943	9075	9929	10128	9662	8961	8519	8498	8145	8054	8101	8667
18 Investor-Owned Entities	11117	11090	10305	10341	11215	12426	12683	12133	11193	10423	10443	10313	10787	11392	11194
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	19940	19879	18666	19226	21118	23194	23653	22632	20999	20003	20065	19532	19953	20647	20797
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	442	408	289	254	140	151	154	149	157	374	436	386	424	466	283
30 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
31 Public Entities	7905	7905	7596	7943	9075	9929	10128	9662	8961	8519	8498	8145	8054	8101	8667
32 Investor-Owned Entities	11117	11090	10319	10341	11215	12426	12686	12156	11247	10457	10477	10313	10787	11392	11204
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	19940	19879	18680	19226	21118	23194	23656	22655	21053	20037	20099	19532	19953	20647	20808

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	135	135	123	132	147	159	161	155	143	132	131	128	130	140	140
2 Total Federal Entities	135	135	123	132	147	159	161	155	143	132	131	128	130	140	140
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
6 Total Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
-Generating Public Entities-															
7 Generating Public Entities	4494	4494	4518	4852	5616	6063	6239	5884	5593	5317	5304	4922	4638	4561	5224
8 Total Generating Public Entities	4494	4494	4518	4852	5616	6063	6239	5884	5593	5317	5304	4922	4638	4561	5224
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3518	3518	3177	3211	3594	4014	4016	3834	3481	3315	3307	3336	3518	3650	3555
10 Total Non-Generating Public Entities	3518	3518	3177	3211	3594	4014	4016	3834	3481	3315	3307	3336	3518	3650	3555
-Investor-Owned Entities-															
11 Investor-Owned Entities	11304	11277	10470	10522	11393	12601	12883	12307	11338	10589	10608	10469	10968	11596	11370
12 Total Investor-Owned Entities	11304	11277	10470	10522	11393	12601	12883	12307	11338	10589	10608	10469	10968	11596	11370
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	448	414	295	260	147	159	161	156	163	379	442	391	430	472	290
16 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
17 Public Entities	8012	8012	7695	8063	9210	10077	10255	9718	9074	8632	8611	8257	8156	8211	8779
18 Investor-Owned Entities	11304	11277	10470	10522	11393	12601	12883	12307	11338	10589	10608	10469	10968	11596	11370
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	20453	20392	19148	19633	21538	23624	24088	22969	21363	20388	20449	19905	20342	21067	21210
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	448	414	295	260	147	159	161	156	163	379	442	391	430	472	290
30 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
31 Public Entities	8012	8012	7695	8063	9210	10077	10255	9718	9074	8632	8611	8257	8156	8211	8779
32 Investor-Owned Entities	11304	11277	10484	10522	11393	12601	12886	12330	11392	10623	10642	10469	10968	11596	11380
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	20453	20392	19162	19633	21538	23624	24091	22992	21418	20422	20483	19905	20342	21067	21221

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	141	141	129	142	159	172	175	169	155	142	142	138	140	151	151
2 Total Federal Entities	141	141	129	142	159	172	175	169	155	142	142	138	140	151	151
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4546	4546	4575	4909	5678	6137	6325	5953	5670	5388	5375	4986	4703	4623	5290
8 Total Generating Public Entities	4546	4546	4575	4909	5678	6137	6325	5953	5670	5388	5375	4986	4703	4623	5290
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3559	3559	3217	3247	3636	4061	4057	3873	3520	3355	3347	3374	3561	3695	3596
10 Total Non-Generating Public Entities	3559	3559	3217	3247	3636	4061	4057	3873	3520	3355	3347	3374	3561	3695	3596
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11467	11440	10658	10694	11557	12807	13079	12496	11527	10767	10787	10630	11171	11802	11554
12 Total Investor-Owned Entities	11467	11440	10658	10694	11557	12807	13079	12496	11527	10767	10787	10630	11171	11802	11554
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
<i>- Total Regional Firm Loads-</i>															
15 Federal Entities	454	420	300	271	159	172	175	169	175	390	452	401	440	483	300
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8105	8105	7792	8156	9315	10197	10382	9826	9189	8743	8722	8360	8263	8318	8886
18 Investor-Owned Entities	11467	11440	10658	10694	11557	12807	13079	12496	11527	10767	10787	10630	11171	11802	11554
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	20815	20754	19538	19909	21819	23965	24424	23280	21679	20688	20749	20179	20662	21391	21529
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	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>- Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
<i>- Total Regional Loads-</i>															
29 Federal Entities	454	420	300	271	159	172	175	169	175	390	452	401	440	483	300
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8105	8105	7792	8156	9315	10197	10382	9826	9189	8743	8722	8360	8263	8318	8886
32 Investor-Owned Entities	11467	11440	10672	10694	11557	12807	13082	12519	11581	10801	10821	10630	11171	11802	11565
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	20815	20754	19552	19909	21819	23965	24427	23303	21734	20722	20783	20179	20662	21391	21540

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	151	151	139	143	160	174	176	170	156	143	143	139	141	152	154
2 Total Federal Entities	151	151	139	143	160	174	176	170	156	143	143	139	141	152	154
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
-Generating Public Entities-															
7 Generating Public Entities	4603	4603	4633	4971	5774	6216	6386	6071	5729	5442	5429	5038	4749	4668	5356
8 Total Generating Public Entities	4603	4603	4633	4971	5774	6216	6386	6071	5729	5442	5429	5038	4749	4668	5356
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3601	3601	3255	3287	3683	4114	4111	3957	3565	3400	3392	3426	3602	3741	3645
10 Total Non-Generating Public Entities	3601	3601	3255	3287	3683	4114	4111	3957	3565	3400	3392	3426	3602	3741	3645
-Investor-Owned Entities-															
11 Investor-Owned Entities	11670	11642	10844	10865	11760	12979	13235	12633	11681	10907	10927	10786	11346	11974	11723
12 Total Investor-Owned Entities	11670	11642	10844	10865	11760	12979	13235	12633	11681	10907	10927	10786	11346	11974	11723
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	465	431	310	272	161	174	177	171	176	391	453	402	441	484	303
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8204	8204	7889	8258	9457	10330	10497	10029	9294	8843	8821	8463	8352	8409	9001
18 Investor-Owned Entities	11670	11642	10844	10865	11760	12979	13235	12633	11681	10907	10927	10786	11346	11974	11723
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	21127	21065	19831	20183	22166	24271	24696	23621	21939	20928	20989	20440	20927	21654	21815
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	465	431	310	272	161	174	177	171	176	391	453	402	441	484	303
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8204	8204	7889	8258	9457	10330	10497	10029	9294	8843	8821	8463	8352	8409	9001
32 Investor-Owned Entities	11670	11642	10858	10865	11760	12979	13238	12656	11735	10941	10961	10786	11346	11974	11734
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	21127	21065	19845	20183	22166	24271	24700	23644	21994	20962	21023	20440	20927	21654	21826

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	153	153	140	145	162	175	178	172	157	144	144	140	143	154	155
2 Total Federal Entities	153	153	140	145	162	175	178	172	157	144	144	140	143	154	155
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
-Generating Public Entities-															
7 Generating Public Entities	4650	4650	4681	5021	5816	6281	6449	6132	5785	5494	5481	5087	4794	4710	5408
8 Total Generating Public Entities	4650	4650	4681	5021	5816	6281	6449	6132	5785	5494	5481	5087	4794	4710	5408
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3652	3652	3312	3345	3733	4159	4148	3995	3601	3440	3432	3470	3644	3787	3690
10 Total Non-Generating Public Entities	3652	3652	3312	3345	3733	4159	4148	3995	3601	3440	3432	3470	3644	3787	3690
-Investor-Owned Entities-															
11 Investor-Owned Entities	11846	11818	10998	11008	11933	13178	13461	12817	11859	11074	11093	10972	11544	12169	11905
12 Total Investor-Owned Entities	11846	11818	10998	11008	11933	13178	13461	12817	11859	11074	11093	10972	11544	12169	11905
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	466	432	311	273	162	175	178	172	178	392	455	403	442	485	304
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8302	8302	7994	8365	9548	10440	10597	10128	9386	8934	8912	8557	8438	8497	9098
18 Investor-Owned Entities	11846	11818	10998	11008	11933	13178	13461	12817	11859	11074	11093	10972	11544	12169	11905
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	21402	21340	20091	20435	22431	24581	25024	23905	22211	21188	21248	20721	21212	21940	22095
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	466	432	311	273	162	175	178	172	178	392	455	403	442	485	304
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8302	8302	7994	8365	9548	10440	10597	10128	9386	8934	8912	8557	8438	8497	9098
32 Investor-Owned Entities	11846	11818	11012	11008	11933	13178	13464	12840	11913	11108	11127	10972	11544	12169	11915
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	21402	21340	20105	20435	22431	24581	25028	23928	22265	21222	21282	20721	21212	21940	22106

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	154	154	141	146	163	176	180	171	159	145	145	141	144	155	156
2 Total Federal Entities	154	154	141	146	163	176	180	171	159	145	145	141	144	155	156
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4696	4696	4727	5164	5922	6435	6533	6180	5837	5548	5535	5170	4900	4824	5494
8 Total Generating Public Entities	4696	4696	4727	5164	5922	6435	6533	6180	5837	5548	5535	5170	4900	4824	5494
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3696	3696	3351	3384	3771	4212	4206	4014	3648	3467	3459	3494	3690	3838	3731
10 Total Non-Generating Public Entities	3696	3696	3351	3384	3771	4212	4206	4014	3648	3467	3459	3494	3690	3838	3731
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12068	12040	11185	11197	12134	13386	13670	12951	11809	11286	11306	11173	11705	12373	12078
12 Total Investor-Owned Entities	12068	12040	11185	11197	12134	13386	13670	12951	11809	11286	11306	11173	11705	12373	12078
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
<i>- Total Regional Firm Loads-</i>															
15 Federal Entities	468	434	313	275	163	177	180	172	179	393	456	404	443	487	306
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8392	8392	8078	8548	9694	10647	10739	10194	9485	9015	8993	8663	8590	8662	9225
18 Investor-Owned Entities	12068	12040	11185	11197	12134	13386	13670	12951	11809	11286	11306	11173	11705	12373	12078
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	21716	21654	20363	20807	22779	24998	25376	24105	22261	21482	21543	21029	21526	22310	22396
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	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>- Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
<i>- Total Regional Loads-</i>															
29 Federal Entities	468	434	313	275	163	177	180	172	179	393	456	404	443	487	306
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8392	8392	8078	8548	9694	10647	10739	10194	9485	9015	8993	8663	8590	8662	9225
32 Investor-Owned Entities	12068	12040	11199	11197	12134	13386	13674	12974	11863	11320	11340	11173	11705	12373	12088
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	21716	21654	20378	20807	22779	24998	25380	24128	22315	21516	21577	21029	21526	22310	22407

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	156	156	142	146	164	177	181	175	160	147	146	142	145	157	158
2 Total Federal Entities	156	156	142	146	164	177	181	175	160	147	146	142	145	157	158
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
-Generating Public Entities-															
7 Generating Public Entities	4808	4808	4842	5212	5978	6495	6595	6293	5889	5599	5585	5217	4943	4868	5561
8 Total Generating Public Entities	4808	4808	4842	5212	5978	6495	6595	6293	5889	5599	5585	5217	4943	4868	5561
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3754	3754	3399	3404	3784	4230	4244	4088	3687	3505	3496	3531	3730	3882	3769
10 Total Non-Generating Public Entities	3754	3754	3399	3404	3784	4230	4244	4088	3687	3505	3496	3531	3730	3882	3769
-Investor-Owned Entities-															
11 Investor-Owned Entities	12285	12257	11361	11379	12285	13594	13891	13373	12275	11467	11488	11351	11892	12573	12310
12 Total Investor-Owned Entities	12285	12257	11361	11379	12285	13594	13891	13373	12275	11467	11488	11351	11892	12573	12310
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	469	435	314	275	164	177	181	175	180	394	457	406	444	488	307
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8562	8562	8242	8616	9763	10725	10839	10381	9576	9103	9081	8748	8673	8750	9331
18 Investor-Owned Entities	12285	12257	11361	11379	12285	13594	13891	13373	12275	11467	11488	11351	11892	12573	12310
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	22105	22043	20704	21058	23000	25284	25699	24717	22819	21753	21814	21292	21797	22599	22736
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	469	435	314	275	164	177	181	175	180	394	457	406	444	488	307
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8562	8562	8242	8616	9763	10725	10839	10381	9576	9103	9081	8748	8673	8750	9331
32 Investor-Owned Entities	12285	12257	11375	11379	12285	13594	13894	13396	12329	11501	11522	11351	11892	12573	12321
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	22105	22043	20719	21058	23000	25284	25703	24740	22874	21787	21848	21292	21797	22599	22746

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
-Federal Entities-															
1 Federal Entities	157	157	144	148	165	178	183	176	162	148	147	144	146	159	159
2 Total Federal Entities	157	157	144	148	165	178	183	176	162	148	147	144	146	159	159
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
-Generating Public Entities-															
7 Generating Public Entities	4852	4852	4886	5265	6040	6563	6655	6245	5941	5649	5635	5265	4987	4910	5604
8 Total Generating Public Entities	4852	4852	4886	5265	6040	6563	6655	6245	5941	5649	5635	5265	4987	4910	5604
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3796	3796	3436	3444	3830	4281	4287	4101	3727	3543	3535	3572	3774	3941	3811
10 Total Non-Generating Public Entities	3796	3796	3436	3444	3830	4281	4287	4101	3727	3543	3535	3572	3774	3941	3811
-Investor-Owned Entities-															
11 Investor-Owned Entities	12487	12458	11547	11563	12481	13811	14122	13592	12478	11658	11678	11536	12087	12781	12511
12 Total Investor-Owned Entities	12487	12458	11547	11563	12481	13811	14122	13592	12478	11658	11678	11536	12087	12781	12511
-Other Firm Loads-															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
- Total Regional Firm Loads-															
15 Federal Entities	471	437	315	277	166	179	183	177	182	396	458	407	446	490	308
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8647	8647	8322	8710	9870	10844	10942	10346	9667	9192	9170	8838	8760	8851	9415
18 Investor-Owned Entities	12487	12458	11547	11563	12481	13811	14122	13592	12478	11658	11678	11536	12087	12781	12511
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	22393	22330	20972	21337	23305	25621	26034	24903	23115	22034	22094	21568	22081	22910	23023
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
- Total Regional Non-Firm Loads-															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
- Total Regional Loads-															
29 Federal Entities	471	437	315	277	166	179	183	177	182	396	458	407	446	490	308
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8647	8647	8322	8710	9870	10844	10942	10346	9667	9192	9170	8838	8760	8851	9415
32 Investor-Owned Entities	12487	12458	11561	11563	12481	13811	14125	13615	12532	11692	11712	11536	12087	12781	12522
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	22393	22330	20986	21337	23305	25621	26038	24926	23169	22068	22128	21568	22081	22910	23034

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	159	159	145	149	167	180	184	178	163	149	149	145	147	161	161
2 Total Federal Entities	159	159	145	149	167	180	184	178	163	149	149	145	147	161	161
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4893	4893	4931	5316	6095	6626	6719	6319	5995	5701	5687	5314	5034	4956	5658
8 Total Generating Public Entities	4893	4893	4931	5316	6095	6626	6719	6319	5995	5701	5687	5314	5034	4956	5658
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3841	3841	3459	3484	3875	4331	4334	4192	3769	3585	3576	3615	3816	4003	3858
10 Total Non-Generating Public Entities	3841	3841	3459	3484	3875	4331	4334	4192	3769	3585	3576	3615	3816	4003	3858
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12695	12666	11739	11752	12682	14034	14362	13822	12688	11855	11876	11733	12292	12996	12721
12 Total Investor-Owned Entities	12695	12666	11739	11752	12682	14034	14362	13822	12688	11855	11876	11733	12292	12996	12721
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
14 Total Other Firm Loads	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
<i>- Total Regional Firm Loads-</i>															
15 Federal Entities	473	439	316	278	167	180	184	179	183	397	459	408	447	492	310
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8734	8734	8391	8800	9970	10957	11053	10511	9764	9286	9263	8929	8850	8959	9516
18 Investor-Owned Entities	12695	12666	11739	11752	12682	14034	14362	13822	12688	11855	11876	11733	12292	12996	12721
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	22690	22627	21234	21618	23608	25959	26388	25299	23423	22326	22387	21858	22376	23236	23334
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	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>- Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	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	0
25 Public Entities	0	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	11
27 Other Entities	0	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	11
<i>- Total Regional Loads-</i>															
29 Federal Entities	473	439	316	278	167	180	184	179	183	397	459	408	447	492	310
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8734	8734	8391	8800	9970	10957	11053	10511	9764	9286	9263	8929	8850	8959	9516
32 Investor-Owned Entities	12695	12666	11754	11752	12682	14034	14366	13845	12743	11889	11910	11733	12292	12996	12731
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Loads	22690	22627	21248	21618	23608	25959	26391	25322	23477	22360	22421	21858	22376	23236	23345

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-2
Exports
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	73	73	67	78	86	101	97	95	85	68	68	68	68	79	80
3 Total Exports to ECD	82	82	76	86	95	110	106	104	94	77	77	77	76	88	89
-Exports to Pacific Southwest-															
4 BPA to BART PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	1.3	37
5 BPA to BURB C/N/X	5.4	5.5	5.4	3.8	2.7	2.7	2.6	2.7	2.7	2.7	2.5	4.2	5.4	5.2	3.8
6 BPA to GLEN C/N/X	6	6.1	6	4.3	3	3	2.9	3.0	3	3	2.8	4.7	6	5.8	4.2
7 BPA to MSR PwrS	102	103	97	0	0	0	0	0	0	0	0	0	0	0	17
8 BPA to Other Entities	175	175	175	210	210	210	210	210	210	210	210	210	210	210	204
9 BPA to PASA C/N/X	3.6	3.6	3.6	2.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	2.8	3.6	3.5	2.5
10 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
11 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
12 BPA to RVSD CapS	0	0	0	0	4.9	4.7	4.7	4.8	4.9	4.6	4.3	7.1	0	0	3.0
13 BPA to RVSD C/N/X	7.1	7.1	7	6.5	0	0	0	0	0	0	0	0	7	6.5	2.8
14 BPA to RVSD C/N/X	11	11	11	10	2.8	2.7	2.7	2.7	2.8	2.5	2.5	0	0	10	4.9
15 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
16 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
17 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
18 PPL to SCE PwrS	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
19 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
20 PSE to PGS S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	48	128	43
21 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
22 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
23 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33	29
24 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
25 BPA NW-SW Intertie Losses	11	11	10	8.3	8.0	7.9	7.9	7.9	8.0	7.9	7.9	8.9	9	7.4	8.5
26 Total Exports To PSW	911	912	913	637	610	610	609	609	610	609	600	506	740	765	677
-Exports to Inland Southwest-															
27 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
28 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
29 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
30 BPA to BCHP CanEnt	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535
31 Total Exports To Canada	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535
-Exports to Other Entities-															
32 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
33 Federal Entities	1048	1049	1037	943	940	954	950	948	938	951	949	984	987	943	969
34 Public Entities	110	110	121	96	81	81	81	81	81	81	78	26	118	118	90
35 Investor-Owned Entities	445	445	442	265	265	265	265	265	265	265	260	183	322	402	303
36 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
37 Total Exports.	1639	1640	1636	1339	1321	1335	1331	1330	1319	1332	1323	1229	1463	1499	1397

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	76	76	70	80	90	104	100	99	88	70	70	70	70	81	83
3 Total Exports to ECD	84	84	79	89	99	114	110	108	97	79	79	79	79	90	92
-Exports to Pacific Southwest-															
4 BPA to BURB C/N/X	5.4	5.5	5.4	3.8	2.7	2.6	2.7	2.7	2.7	2.5	2.7	4.2	5.4	5.2	3.8
5 BPA to GLEN C/N/X	6	6.1	6	4.3	3	2.9	3	3.0	3	2.8	3	4.7	6	5.8	4.2
6 BPA to Other Entities	210	210	210	0	0	0	0	0	0	0	0	0	0	0	35
7 BPA to PASA C/N/X	3.6	3.6	3.6	2.6	1.8	1.7	1.8	1.8	1.8	1.7	1.8	2.8	3.6	3.5	2.5
8 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
10 BPA to RVSD CapS	0	0	0	0	4.9	4.5	4.9	4.8	4.7	4.5	4.9	7.1	0	0	3.0
11 BPA to RVSD C/N/X	7.1	7.1	6.7	6.8	0	0	0	0	0	0	0	0	6.7	6.8	2.8
12 BPA to RVSD C/N/X	11	11	10	11	2.8	2.5	2.8	2.7	2.8	2.5	2.8	0	0	11	4.9
13 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
14 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
15 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
16 PPL to SCE PwrS	114	114	114	0	0	0	0	0	0	0	0	0	0	0	19
17 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
18 PSE to PGS S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	48	128	43
19 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
20 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
21 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33	29
22 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
23 BPA NW-SW Intertie Losses	7.4	7.4	7.4	0.8	0.5	0.4	0.5	0.4	0.5	0.4	0.5	1.4	1.5	1.1	1.9
24 Total Exports To PSW	801	801	808	266	238	237	238	238	238	237	230	134	368	435	353
-Exports to Inland Southwest-															
25 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
26 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
27 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
28 BPA to BChP CanEnt	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
29 Total Exports To Canada	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Exports to Other Entities-															
30 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
31 Federal Entities	894	894	888	643	639	653	650	647	637	648	649	682	685	682	696
32 Public Entities	110	110	121	96	81	81	81	81	81	81	78	26	118	118	90
33 Investor-Owned Entities	445	445	442	151	151	151	151	151	151	151	146	69	208	288	208
34 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
35 Total Exports.	1485	1485	1486	925	906	920	917	915	904	916	909	813	1046	1124	1030

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	78	78	72	83	93	108	104	102	91	73	73	73	72	84	86
3 Total Exports to ECD	87	87	81	92	102	117	113	111	100	82	82	82	81	93	95
-Exports to Pacific Southwest-															
4 BPA to BURB C/N/X	5.4	5.5	5.2	3.9	2.7	2.6	2.7	2.7	2.6	2.7	0	0	0	0	2.4
5 BPA to GLEN C/N/X	6	6.1	5.8	4.4	3	2.9	3	3.0	2.9	3	0	0	0	0	2.7
6 BPA to PASA C/N/X	3.6	3.6	3.5	2.6	1.8	1.7	1.8	1.8	1.7	1.8	0	0	0	0	1.6
7 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
8 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
9 BPA to RVSD CapS	0	0	0	0	4.9	4.5	4.9	4.8	4.5	4.9	4.9	6.8	0	0	2.9
10 BPA to RVSD C/N/X	7.1	7.1	6.4	7.1	0	0	0	0	0	0	0	0	6.7	7.1	2.9
11 BPA to RVSD C/N/X	11	11	10	11	2.8	2.5	2.8	2.6	2.5	2.8	2.8	0	0	11	4.9
12 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
13 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
14 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
15 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
16 PSE to PGS S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	0	0	28
17 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
18 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
19 SHPD to SMUD PwrS	36	36	36	0	0	0	0	0	0	0	0	0	0	0	6
20 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
21 BPA NW-SW Intertie Losses	1.1	1.1	1.1	0.9	0.5	0.4	0.5	0.4	0.4	0.5	0.2	1	1	0.7	0.7
22 Total Exports To PSW	471	471	476	241	212	211	212	212	211	212	197	96	271	259	256
-Exports to Inland Southwest-															
23 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
24 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
25 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
26 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
27 Total Exports To Canada	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
-Exports to Other Entities-															
28 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
29 Federal Entities	675	675	666	641	636	651	648	646	633	646	638	666	666	665	653
30 Public Entities	110	110	121	70	55	55	55	55	55	55	52	0	85	85	67
31 Investor-Owned Entities	331	331	328	151	151	151	151	151	151	151	146	69	159	159	175
32 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
33 Total Exports.	1152	1152	1151	897	878	892	889	887	875	888	872	771	946	946	930

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	81	81	75	49	55	64	61	60	53	43	42	43	43	50	56
3 Total Exports to ECD	90	90	84	58	64	73	70	69	62	52	51	52	52	59	65
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD CapS	0	0	0	0	4.4	4.9	4.7	4.8	4.7	4.9	4.9	6.5	0	0	2.9
7 BPA to RVSD C/N/X	6.7	6.3	7	7.1	0	0	0	0	0	0	0	0	7	7.1	2.9
8 BPA to RVSD C/N/X	11	9.4	11	11	2.5	2.8	2.7	2.7	2.7	2.8	2.8	0	0	11	5.0
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
10 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
11 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
12 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
13 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
14 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
15 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
16 BPA NW-SW Intertie Losses	0.7	0.6	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	1.1	0.7	0.5
17 Total Exports To PSW	248	245	259	230	204	205	204	204	204	205	197	95	272	259	215
-Exports to Inland Southwest-															
18 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
19 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
20 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
21 BPA to BCHP CanEnt	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
22 Total Exports To Canada	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
-Exports to Other Entities-															
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
24 Federal Entities	644	642	638	578	572	581	579	578	571	590	590	618	619	613	598
25 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
26 Investor-Owned Entities	159	159	159	151	151	151	151	151	151	151	146	69	159	159	147
27 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
28 Total Exports.	913	911	918	834	813	823	820	819	812	832	824	723	900	894	841

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	48	48	44	45	51	59	57	56	49	40	39	40	40	46	48
3 Total Exports to ECD	57	57	53	54	60	68	66	64	58	48	48	49	49	56	57
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD CapS	0	0	0	0	4.7	4.9	4.5	4.8	4.9	4.9	4.9	6.5	0	0	2.9
7 BPA to RVSD C/N/X	6.7	6.3	7	6.8	0	0	0	0	0	0	0	0	0	0	1.7
8 BPA to RVSD C/N/X	10	10	11	11	2.6	2.8	2.5	2.7	2.8	2.8	2.8	0	0	11	4.9
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
10 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
11 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
12 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
13 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
14 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
15 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
16 BPA NW-SW Intertie Losses	0.6	0.6	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	0.9	0.5	0.5
17 Total Exports To PSW	247	246	259	229	204	205	204	204	205	205	197	95	265	251	214
-Exports to Inland Southwest-															
18 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
19 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
20 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
21 BPA to BCHP CanEnt	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
22 Total Exports To Canada	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
-Exports to Other Entities-															
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
24 Federal Entities	712	712	709	675	670	679	676	675	669	689	689	717	711	704	691
25 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
26 Investor-Owned Entities	159	159	159	151	151	151	151	151	151	151	146	69	159	159	147
27 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
28 Total Exports.	982	982	990	931	912	921	918	917	911	931	923	822	992	985	934

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	44	44	41	53	59	68	66	65	58	46	46	46	46	54	54
3 Total Exports to ECD	54	54	50	62	68	78	75	74	66	55	55	55	55	63	63
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	10	11	11	10	2.8	2.8	2.5	2.7	2.8	2.8	2.5	0	0	10	4.8
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	8.9	8.9	3.0
10 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
11 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
12 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
13 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
14 BPA NW-SW Intertie Losses	0.4	0.5	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.9	0.4	0.3
15 Total Exports To PSW	240	241	251	222	199	200	199	199	200	199	191	89	265	251	209
-Exports to Inland Southwest-															
16 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
17 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
18 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
19 BPA to BCHP CanEnt	527	527	527	527	527	527	527	527	527	527	527	527	527	527	527
20 Total Exports To Canada	527	527	527	527	527	527	527	527	527	527	527	527	527	527	527
-Exports to Other Entities-															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
22 Federal Entities	661	663	659	635	634	643	640	639	632	651	650	677	677	671	652
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	159	159	159	151	151	151	151	151	151	151	146	69	159	159	147
25 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
26 Total Exports.	931	932	939	891	875	885	882	881	874	892	884	782	958	951	895

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	52	52	48	3.8	3.9	4.6	4.1	4	3.5	2.6	2.5	3.7	4	4.9	12
3 Total Exports to ECD	61	61	56	13	13	14	13	13	12	12	12	13	13	14	21
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	11	10	10	2.8	2.7	2.7	2.7	2.7	2.5	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	8.9	8.9	8.9	0	0	0	0	0	0	0	0	0	0	0	1.5
10 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
11 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
12 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
13 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
14 BPA NW-SW Intertie Losses	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
15 Total Exports To PSW	241	241	251	222	199	199	199	199	199	199	192	89	256	242	208
-Exports to Inland Southwest-															
16 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
17 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
18 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
19 BPA to BCHP CanEnt	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
20 Total Exports To Canada	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
-Exports to Other Entities-															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
22 Federal Entities	660	660	655	576	569	569	569	569	568	597	597	625	625	612	600
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	159	159	159	151	151	151	151	151	151	151	146	69	151	151	145
25 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
26 Total Exports.	929	929	935	832	810	811	810	810	810	839	831	729	897	884	841

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	4.3	4.3	3.4	3.8	3.9	4.6	3.9	3.8	3.3	2.5	2.5	3.6	3.8	4.8	3.8
3 Total Exports to ECD	13	13	12	13	13	14	13	13	12	12	12	13	13	14	13
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	11	9.5	11	2.8	2.5	2.8	2.7	2.5	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0	3.3
9 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
11 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
12 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
13 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
14 BPA NW-SW Intertie Losses	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
15 Total Exports To PSW	232	232	241	203	179	179	180	179	179	179	172	69	235	223	190
-Exports to Inland Southwest-															
16 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
17 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
18 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
19 BPA to BCHP CanEnt	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
20 Total Exports To Canada	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
-Exports to Other Entities-															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
22 Federal Entities	600	600	598	565	557	557	557	557	556	585	585	612	612	601	580
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	151	151	151	131	131	131	131	131	131	131	126	49	131	131	127
25 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
26 Total Exports.	861	861	869	801	778	779	778	778	777	807	799	697	864	852	803

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	4.2	4.2	3.3	3.7	3.8	4.4	3.8	3.7	3.2	2.4	2.4	3.4	3.7	4.6	3.7
3 Total Exports to ECD	13	13	12	13	13	13	13	13	12	11	11	12	13	14	13
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	10	10	11	2.6	2.7	2.8	2.7	2.5	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
9 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
10 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
11 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
12 BPA NW-SW Intertie Losses	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
13 Total Exports To PSW	212	211	222	203	179	179	180	179	179	179	172	69	236	223	186
-Exports to Inland Southwest-															
14 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
15 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
16 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
17 BPA to BCHP CanEnt	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
18 Total Exports To Canada	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
-Exports to Other Entities-															
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
20 Federal Entities	590	589	588	555	547	547	547	546	546	575	575	602	603	591	570
21 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
22 Investor-Owned Entities	131	131	131	131	131	131	131	131	131	131	126	49	131	131	124
23 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
24 Total Exports.	831	830	840	791	768	769	768	768	767	797	789	687	854	842	790

Table A-2: Regional Exports
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Exports East of Continental Divide -															
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	4	4	3.2	3.5	3.6	4.2	3.7	3.5	3.1	2.3	2.3	3.3	3.5	4.4	3.5
3 Total Exports to ECD	13	13	12	12	13	13	13	12	12	11	11	12	12	13	13
-Exports to Pacific Southwest-															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	0	0.7
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to RVSD C/N/X	11	9.4	10	11	2.5	2.8	2.7	2.7	2.7	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PPL to SMUD PwrS	40	40	40	40	40	40	0	0	0	0	0	0	0	0	17
9 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
10 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
11 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
12 BPA NW-SW Intertie Losses	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.3	0.3
13 Total Exports To PSW	212	210	222	203	179	180	139	139	139	139	132	26	194	178	162
-Exports to Inland Southwest-															
14 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
15 LVFBR to WAPA PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
16 Total Exports To ISW	111	111	111	81	81	81	81	81	81	111	111	111	111	111	96
-Exports to Canada-															
17 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
18 Total Exports To Canada	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
-Exports to Other Entities-															
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
20 Federal Entities	578	576	577	543	534	535	534	534	534	563	563	587	589	574	557
21 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
22 Investor-Owned Entities	131	131	131	131	131	131	91	91	91	91	86	9	91	91	100
23 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
24 Total Exports.	819	817	828	779	756	757	716	716	715	745	737	632	800	785	754

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-3
Regulated Hydro Projects
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	18	27	37	18	18	16	14	17	18	18	28	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	171	137	398	465	521	546	457	448	463	291	133	133	182	131	343
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
9 Chief Joseph	1736	1302	806	1042	1270	1249	949	894	889	894	901	850	1122	1306	1066
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	440	204	52	52	51	51	51	50	51	51	53	56	285	442	126
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3246	2387	1482	1965	2370	2264	1745	1665	1586	1509	1483	1466	2089	2474	1952
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	80	76	85	90	90	92	92	88	67	28	29	30	119	77
19 Ice Harbor	93	64	125	143	100	106	128	110	188	130	136	232	174	125	137
20 John Day	915	691	664	798	919	905	738	713	818	779	717	753	894	846	800
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	520	355	113	154	90	298	81	79	78	77	77	172	293	145	168
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	232	172	136	143	101	105	130	96	180	255	309	522	391	286	215
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	238	176	143	141	101	106	132	97	183	249	317	526	401	293	218
28 Lower Monumental	234	173	130	145	100	106	130	110	192	272	325	529	404	295	220
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	726	689	457	548	603	609	508	477	541	408	268	294	417	748	521
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	612	459	542	625	718	717	595	580	656	575	483	505	601	564	597
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13506	10480	8466	10420	11618	11782	9974	8634	9808	9594	9368	9812	13004	12477	10622

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9278	6907	5151	6342	7050	7171	5752	5427	5931	5577	5248	6096	7328	7811	6464
<i>58 Public Entities</i>	1588	1260	1361	1756	1996	1966	1832	1408	1564	1418	1648	1336	2552	1979	1726
<i>59 Investor-Owned Entities</i>	2408	2120	1816	2161	2353	2425	2206	1627	2141	2449	2310	2245	2917	2482	2251
<i>60 Other Entities</i>	232	192	137	161	219	220	185	172	172	150	162	135	206	204	182
61 Total Regulated Hydro w/Enc.	13506	10480	8466	10420	11618	11782	9974	8634	9808	9594	9368	9812	13004	12477	10622

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	18	27	37	18	18	16	14	17	18	18	28	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	171	137	399	466	522	547	458	449	464	292	133	133	182	131	343
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1746	1310	811	1048	1278	1257	955	900	894	900	906	855	1130	1314	1073
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	441	204	52	52	51	51	51	51	51	51	53	56	285	443	126
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3261	2398	1490	1975	2382	2277	1755	1673	1594	1516	1491	1473	2100	2486	1961
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	80	76	85	90	90	92	92	88	67	28	29	30	119	77
19 Ice Harbor	93	64	125	143	100	106	129	110	188	130	136	232	174	125	137
20 John Day	916	692	665	799	920	907	739	714	819	781	718	754	896	847	801
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	521	355	113	154	90	299	81	79	78	77	77	173	293	146	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	228	170	137	143	101	105	131	96	181	256	310	523	392	286	215
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	174	143	141	102	107	132	97	184	250	318	528	402	293	218
28 Lower Monumental	230	171	131	146	100	107	130	111	193	273	326	531	406	295	221
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	735	697	462	555	610	617	514	483	548	415	273	298	423	758	527
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	613	460	543	626	719	718	596	581	658	576	484	506	602	565	598
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13532	10502	8489	10448	11651	11816	10000	8658	9834	9621	9392	9837	13036	12512	10650

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9303	6930	5175	6370	7083	7205	5778	5451	5956	5604	5272	6121	7360	7846	6492
<i>58 Public Entities</i>	1651	1309	1418	1830	2071	2040	1832	1408	1564	1418	1648	1336	2552	1979	1754
<i>59 Investor-Owned Entities</i>	2322	2053	1739	2060	2278	2350	2206	1627	2141	2449	2310	2245	2917	2482	2218
<i>60 Other Entities</i>	255	210	158	188	219	220	185	172	172	150	162	135	206	204	187
61 Total Regulated Hydro w/Enc.	13532	10502	8489	10448	11651	11816	10000	8658	9834	9621	9392	9837	13036	12512	10650

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	524	549	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1769	1327	823	1064	1297	1277	970	913	908	913	920	867	1147	1332	1089
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	56	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3281	2414	1500	1989	2399	2293	1767	1685	1605	1527	1502	1484	2116	2503	1975
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	90	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	742	718	823	785	722	757	899	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	91	299	81	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	518	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	292	216
28 Lower Monumental	229	170	130	144	99	106	129	109	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	739	700	464	557	613	619	517	485	550	418	274	300	426	761	530
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	615	461	545	629	722	721	599	584	661	579	487	509	605	567	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13586	10544	8518	10484	11698	11863	10034	8690	9862	9650	9416	9853	13068	12560	10686

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9358	6971	5203	6407	7131	7252	5812	5483	5984	5633	5296	6136	7392	7894	6527
<i>58 Public Entities</i>	1651	1309	1418	1830	2071	2040	1832	1408	1564	1418	1648	1336	2552	1979	1754
<i>59 Investor-Owned Entities</i>	2322	2053	1739	2060	2278	2350	2206	1627	2141	2449	2310	2245	2917	2482	2218
<i>60 Other Entities</i>	255	210	158	188	219	220	185	172	172	150	162	135	206	204	187
61 Total Regulated Hydro w/Enc.	13586	10544	8518	10484	11698	11863	10034	8690	9862	9650	9416	9853	13068	12560	10686

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	524	549	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1778	1334	828	1070	1304	1284	975	918	913	919	925	872	1153	1339	1095
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	56	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3281	2414	1500	1989	2399	2293	1767	1685	1605	1527	1502	1484	2116	2503	1975
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	90	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	742	718	823	785	722	757	899	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	91	299	81	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	518	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	292	216
28 Lower Monumental	229	170	130	144	99	106	129	109	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	754	713	474	568	625	632	527	495	562	430	283	308	436	777	541
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	615	461	545	629	722	721	599	584	661	579	487	509	605	567	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13611	10563	8532	10501	11718	11883	10051	8705	9878	9667	9429	9865	13085	12583	10703

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9383	6991	5217	6424	7151	7272	5829	5498	6001	5650	5309	6149	7409	7918	6545
<i>58 Public Entities</i>	1651	1309	1418	1830	2071	2040	1832	1408	1564	1418	1648	1336	2552	1979	1754
<i>59 Investor-Owned Entities</i>	2322	2053	1739	2060	2278	2350	2206	1627	2141	2449	2310	2245	2917	2482	2218
<i>60 Other Entities</i>	255	210	158	188	219	220	185	172	172	150	162	135	206	204	187
61 Total Regulated Hydro w/Enc.	13611	10563	8532	10501	11718	11883	10051	8705	9878	9667	9429	9865	13085	12583	10703

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	524	549	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1786	1341	833	1075	1312	1292	981	924	918	924	930	877	1160	1346	1101
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	56	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3281	2414	1500	1989	2399	2293	1767	1685	1605	1527	1502	1484	2116	2503	1975
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	90	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	742	718	823	785	722	757	899	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	91	299	81	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	518	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	292	216
28 Lower Monumental	229	170	130	144	99	106	129	109	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	770	726	483	579	638	645	538	505	573	442	291	316	447	794	553
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	615	461	545	629	722	721	599	584	661	579	487	509	605	567	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13636	10583	8546	10518	11738	11904	10067	8720	9895	9685	9443	9878	13102	12607	10721

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9408	7011	5231	6441	7171	7293	5845	5513	6017	5668	5323	6162	7426	7941	6562
<i>58 Public Entities</i>	1651	1309	1418	1830	2126	2095	1910	1479	1636	1477	1706	1394	2648	2065	1806
<i>59 Investor-Owned Entities</i>	2322	2053	1739	2060	2224	2298	2130	1557	2071	2385	2246	2181	2816	2395	2165
<i>60 Other Entities</i>	255	210	158	188	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13636	10583	8546	10518	11738	11904	10067	8720	9895	9685	9443	9878	13102	12607	10721

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	524	549	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1792	1345	836	1079	1317	1297	985	927	921	927	934	880	1164	1351	1105
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	56	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3281	2414	1500	1989	2399	2293	1767	1685	1605	1527	1502	1484	2116	2503	1975
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	90	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	742	718	823	785	722	757	899	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	91	299	81	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	518	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	292	216
28 Lower Monumental	229	170	130	144	99	106	129	109	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	786	739	493	591	650	658	549	515	584	454	299	324	457	810	564
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	615	461	545	629	722	721	599	584	661	579	487	509	605	567	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13658	10601	8558	10534	11756	11922	10081	8734	9909	9700	9455	9889	13117	12628	10736

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9429	7029	5244	6456	7188	7311	5859	5527	6032	5683	5334	6173	7441	7962	6577
<i>58 Public Entities</i>	1763	1390	1480	1916	2183	2150	1912	1481	1638	1477	1707	1395	2650	2067	1837
<i>59 Investor-Owned Entities</i>	2207	1971	1678	1975	2168	2242	2128	1556	2069	2385	2246	2181	2815	2393	2134
<i>60 Other Entities</i>	258	211	156	186	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13658	10601	8558	10534	11756	11922	10081	8734	9909	9700	9455	9889	13117	12628	10736

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	524	549	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1792	1345	836	1079	1317	1297	985	927	921	927	934	880	1164	1351	1105
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	56	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3281	2414	1500	1989	2399	2293	1767	1685	1605	1527	1502	1484	2116	2503	1975
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	90	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	742	718	823	785	722	757	899	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	91	299	81	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	518	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	292	216
28 Lower Monumental	229	170	130	144	99	106	129	109	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	802	753	502	602	663	671	559	525	595	466	308	332	467	826	576
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	615	461	545	629	722	721	599	584	661	579	487	509	605	567	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13674	10615	8568	10545	11768	11935	10092	8743	9920	9712	9463	9897	13127	12644	10748

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9445	7042	5253	6467	7201	7324	5870	5536	6043	5695	5343	6181	7451	7978	6589
<i>58 Public Entities</i>	1765	1391	1482	1918	2186	2153	1914	1484	1640	1478	1708	1396	2652	2069	1839
<i>59 Investor-Owned Entities</i>	2205	1970	1677	1973	2164	2239	2125	1553	2067	2384	2245	2180	2813	2391	2132
<i>60 Other Entities</i>	258	211	156	186	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13674	10615	8568	10545	11768	11935	10092	8743	9920	9712	9463	9897	13127	12644	10748

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	525	550	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1793	1346	836	1080	1317	1297	985	927	922	928	934	880	1165	1352	1105
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	57	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3283	2415	1501	1990	2400	2294	1768	1686	1605	1527	1503	1484	2117	2504	1976
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	91	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	743	718	823	785	722	758	900	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	92	299	82	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	519	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	293	216
28 Lower Monumental	229	170	130	145	99	106	129	110	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	818	766	512	613	676	685	570	535	606	478	316	340	478	842	587
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	616	462	545	629	723	722	599	584	661	579	487	509	605	568	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13693	10630	8580	10559	11784	11951	10105	8756	9934	9727	9474	9908	13141	12663	10762

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9465	7058	5265	6481	7216	7340	5883	5549	6056	5710	5354	6191	7465	7997	6603
<i>58 Public Entities</i>	1768	1394	1484	1921	2190	2157	1917	1486	1643	1479	1709	1397	2654	2072	1841
<i>59 Investor-Owned Entities</i>	2202	1968	1675	1971	2160	2235	2122	1550	2064	2383	2244	2179	2810	2388	2129
<i>60 Other Entities</i>	258	211	156	186	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13693	10630	8580	10559	11784	11951	10105	8756	9934	9727	9474	9908	13141	12663	10762

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	525	550	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1793	1346	836	1080	1317	1297	985	927	922	928	934	880	1165	1352	1105
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	57	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3283	2415	1501	1990	2400	2294	1768	1686	1605	1527	1503	1484	2117	2504	1976
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	91	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	743	718	823	785	722	758	900	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	92	299	82	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	519	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	293	216
28 Lower Monumental	229	170	130	145	99	106	129	110	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	834	779	522	624	688	697	581	544	618	491	325	348	489	858	599
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	616	462	545	629	723	722	599	584	661	579	487	509	605	568	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13709	10644	8589	10570	11796	11964	10116	8765	9945	9739	9482	9916	13151	12679	10773

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9481	7071	5275	6492	7229	7353	5894	5559	6067	5722	5362	6199	7476	8013	6614
<i>58 Public Entities</i>	1771	1396	1486	1924	2193	2161	1920	1489	1645	1480	1710	1398	2656	2074	1844
<i>59 Investor-Owned Entities</i>	2199	1965	1672	1967	2157	2232	2120	1548	2062	2382	2243	2178	2808	2386	2127
<i>60 Other Entities</i>	258	211	156	186	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13709	10644	8589	10570	11796	11964	10116	8765	9945	9739	9482	9916	13151	12679	10773

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	23	19	27	37	18	18	16	14	17	18	18	29	45	38	25
2 Alder	14	10	11	12	6	25	45	21	25	30	7.1	23	50	8	21
3 Bonneville	172	138	401	468	525	550	460	451	465	295	134	134	183	132	345
4 Boundary	190	150	238	503	266	263	223	186	248	281	417	530	606	399	332
5 Box Canyon	31	25	37	69	41	41	35	30	38	44	60	72	74	55	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	51	39	41	65	74	72	66	50	64	52	85	176	188	112	85
8 Chelan	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
9 Chief Joseph	1793	1346	836	1080	1317	1297	985	927	922	928	934	880	1165	1352	1105
10 Cushman 1	3.3	2.3	19	1.8	27	25	29	20	1.1	1.3	24	1.3	28	1.3	14
11 Cushman 2	2.4	0.7	30	0.1	49	50	66	55	0.4	0.2	59	0.1	63	0	29
12 Diablo	74	56	76	35	106	102	1.5	15	72	91	71	74	172	154	79
13 Dworshak	443	205	52	52	52	51	51	51	51	52	53	57	287	445	127
14 Faraday	8.1	7.5	8.2	8	6.2	16	8.9	17	31	43	42	43	39	14	20
15 Gorge	86	68	87	43	118	118	2.7	19	86	109	86	92	182	168	91
16 Grand Coulee	3283	2415	1501	1990	2400	2294	1768	1686	1605	1527	1503	1484	2117	2504	1976
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	92	81	77	86	91	91	93	93	89	67	28	29	31	120	78
19 Ice Harbor	93	64	124	142	99	105	127	109	186	130	136	232	173	124	136
20 John Day	920	695	668	803	925	911	743	718	823	785	722	758	900	851	805
21 La Grande	21	15	15	18	8.3	39	63	44	56	62	12	37	63	12	34
22 Libby	522	357	114	155	92	299	82	80	78	78	78	173	293	149	169
23 Little Falls	9.3	9.2	15	14	13	21	8	11	24	31	30	30	34	14	19
24 Little Goose	227	169	136	142	101	104	129	95	179	254	307	519	388	285	213
25 Long Lake	22	22	34	34	30	46	18	24	51	69	72	72	72	33	42
26 Lower Baker	29	23	22	24	30	60	56	11	28	39	37	1.3	67	59	35
27 Lower Granite	233	173	142	140	101	106	131	96	182	248	315	523	398	293	216
28 Lower Monumental	229	170	130	145	99	106	129	110	191	270	323	526	402	294	219
29 Mayfield	28	25	41	55	55	55	172	85	70	70	171	8.4	82	47	68
30 McNary	842	786	526	630	694	704	586	549	623	497	329	352	494	866	604
31 Merwin	18	15	16	28	67	83	103	35	66	109	92	13	71	24	52
32 Monroe Street	5.5	5.8	12	12	9.9	15	5.1	6.7	15	15	15	15	15	11	11
33 Mossyrock	56	48	74	91	92	68	286	75	52	55	207	0	129	85	95
34 Nine Mile	5.6	5.7	10	10	9.3	11	4.6	7	15	23	23	22	24	10	13
35 North Fork	9	8.4	9.1	8.9	7	18	9.9	18	35	54	47	54	43	15	23
36 Noxon	69	57	58	99	114	110	101	72	96	86	116	286	308	158	131
37 Oak Grove	21	20	24	28	17	20	17	18	24	34	34	34	34	25	25
38 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
39 Pelton	36	35	35	31	31	34	38	35	35	33	54	36	39	36	36
40 Post Falls	2.2	2.5	6	6.5	5.4	7.6	2.9	3.6	10	15	14	14	15	5.2	7.8
41 Priest Rapids	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337
42 River Mill	4.6	4.3	4.7	4.6	3.6	9.2	5.1	9.5	18	23	23	23	22	7.7	11
43 Rock Island PH#1	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
44 Rock Island PH#2	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116
45 Rocky Reach	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
46 Ross	52	40	70	33	121	107	0	17	71	90	64	61	236	151	83
47 Round Butte	91	87	88	76	76	85	94	85	86	80	138	89	100	89	89
48 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
49 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
50 The Dalles	616	462	545	629	723	722	599	584	661	579	487	509	605	568	601
51 Upper Baker	29	23	20	21	29	47	31	8.9	22	34	32	0.3	103	60	34
52 Upper Falls	4.9	5.2	9.8	9.8	8.8	10	4.6	5.8	10	9.5	8.6	8.3	9.3	9.6	8.4
53 Wanapum	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
54 Wells	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
55 White	27	20	14	10	5.9	34	28	18	36	47	53	53	64	48	32
56 Yale	23	20	22	24	94	87	107	32	60	106	91	0	112	30	57
Total Regulated Hydro w/Enc.	13717	10650	8594	10576	11803	11970	10121	8770	9951	9745	9486	9920	13157	12687	10779

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Regulated Hydro w/Enc.-</i>															
<i>57 Federal System</i>	9488	7078	5279	6498	7235	7359	5899	5563	6073	5728	5366	6203	7481	8021	6620
<i>58 Public Entities</i>	1774	1398	1488	1927	2198	2165	1923	1492	1649	1481	1711	1399	2659	2077	1847
<i>59 Investor-Owned Entities</i>	2196	1963	1670	1965	2152	2227	2117	1545	2058	2381	2241	2177	2806	2383	2124
<i>60 Other Entities</i>	258	211	156	186	217	219	183	170	171	155	168	140	212	206	188
61 Total Regulated Hydro w/Enc.	13717	10650	8594	10576	11803	11970	10121	8770	9951	9745	9486	9920	13157	12687	10779

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-4
Independent Hydro Projects
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.3	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1042	1069	1003	974	893	974	788	802	949	1217	1273	1561	1597	1154	1083
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	440	438	373	386	305	237	176	196	275	434	518	714	749	454	398
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	470	488	505	456	457	536	472	481	509	576	550	610	587	513	514
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1042	1069	1003	974	893	974	788	802	949	1217	1273	1561	1597	1154	1083

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.3	0.7	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	470	488	505	456	457	536	472	481	509	576	551	610	587	513	514
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.4	0.2	0.2	0.3	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	470	488	505	456	457	536	472	481	509	576	551	610	587	513	514
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.4	0.2	0.2	0.3	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083
<i>-Total Independent Hydro W/Enc.-</i>															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	470	488	505	456	457	536	472	481	509	576	551	610	587	513	514
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1598	1155	1083

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.3	0.7	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	0	0	0	0	0	14	14	14	14	14	14	14	14	14	9.3
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1612	1169	1086
<i>-Total Independent Hydro W/Enc.-</i>															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	470	488	505	456	457	536	472	481	509	576	551	610	601	527	516
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1042	1070	1004	974	893	974	788	802	950	1217	1274	1562	1612	1169	1086

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	484	502	519	470	471	536	472	482	509	576	551	610	601	527	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.3	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	119	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	434	518	715	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	484	502	519	470	471	536	472	482	509	577	551	610	601	527	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1056	1084	1018	988	907	974	788	802	950	1217	1274	1562	1612	1169	1091

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	26	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	0.3	0.4	0.8	0	0.4
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	120	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	484	502	519	470	471	536	472	482	509	577	551	610	601	527	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	26	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.6	0.3	0.3	0.4	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	120	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
-Total Independent Hydro W/Enc.-															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	484	502	519	470	471	536	472	482	509	577	551	610	601	527	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Independent Hydro Projects-															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	26	27	11	39	28	16
3 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
4 Big Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
5 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
6 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
7 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24	21
10 Bull Run	5	5	4	2	1	15	7	14	15	15	15	15	15	12	10
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
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	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Condit Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Felt	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	0.7
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	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	7.3	7.3
27 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
28 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
29 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
30 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
31 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Island Park	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	4.8
33 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
34 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
35 Lake Creek	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	2.7
36 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
37 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
38 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
39 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
40 McNary Fishway	9.5	9.5	9.4	9.4	9.4	9.5	9.5	9.4	9.5	9.3	9.5	9.5	9.4	9.6	9.4
41 Mill Creek (WA)	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	0.4
42 Milltown/Flint Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.6	0.3	0.3	0.4	0.6	0	0.3
43 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
44 Minidoka	31	31	29	12	3.1	9	2.8	2.4	2.2	14	14	31	31	31	16
45 Morse Creek	0	0	0	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	132	132	120	55	15	15	20	23	27	21	38	95	132	132	66
50 Reader Gulch	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	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
55 Soda Creek	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	0.5
56 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
57 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 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	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5.0	5.0	5.1	5.1

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>62 Trail Bridge</i>	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
<i>63 TW Sullivan</i>	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
<i>64 Twin Falls</i>	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
<i>65 Upper Salmon 1 & 2</i>	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
<i>66 Upper Salmon 3 & 4</i>	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
<i>67 Walterville</i>	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	6.2
<i>68 Wynochee</i>	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	4.3	4.3
<i>69 Yelm</i>	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091
<i>-Total Independent Hydro W/Enc.-</i>															
<i>70 Federal System</i>	441	439	373	387	306	237	176	197	275	435	519	716	750	455	399
<i>71 Public Entities</i>	131	142	126	132	131	201	140	124	166	206	205	237	261	187	171
<i>72 Investor-Owned Entities</i>	484	502	519	470	471	536	472	482	509	577	551	610	601	527	521
<i>73 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total Independent Hydro w/Enc.	1057	1084	1018	988	907	974	788	802	950	1217	1274	1563	1612	1169	1091

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-5
Imports
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-5: Regional Imports
PNW Loads and Resource Study
2005 - 2006 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Imports From East of Continental Divide-															
1 BEPC To NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE To NWE PwrS	180	153	151	334	76	111	98	99	63	82	101	191	114	193	141
3 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 Other Entities To CKPD	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Other Entities To IPC	46	46	0	0	0	0	0	0	0	0	0	0	46	43	11
6 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
7 PPL To PPL PwrS	215	215	193	191	224	233	231	218	162	172	172	121	206	202	197
8 Total Imports From ECD	565	538	497	743	655	754	712	656	536	538	557	423	495	582	596
-Imports From Pacific Southwest-															
9 BURB To BPA XchgNrg	2.6	2.6	2.6	2.6	3.7	5	5	5	5	3.6	4	2.6	2.6	2.6	3.6
10 BURB To BPA PkRepl	5.5	5.4	5.4	3.8	2.7	2.7	2.6	2.7	2.7	2.5	2.7	4.2	5.4	5.2	3.8
11 GLEN To BPA XchgNrg	2.9	2.9	2.9	2.9	4.2	5.6	5.6	5.6	5.6	5.5	3	2.9	2.9	2.9	4
12 GLEN To BPA PkRepl	6.1	6	6	4.3	3	3	2.9	3.0	3	2.7	3	4.7	6	5.8	4.2
13 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
14 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
15 PASA To BPA XchgNrg	1.7	1.7	1.7	1.7	2.5	3.4	3.4	3.4	3.4	3.3	1.8	1.7	1.7	1.7	2.4
16 PASA To BPA PkRepl	3.7	3.6	3.6	2.6	1.8	1.8	1.7	1.8	1.8	1.6	1.8	2.8	3.6	3.5	2.5
17 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
18 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
19 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
20 PG&E To PSE S/Pwr/X	0	0	0	0	134	195	116	61	0	0	0	0	0	0	42
21 RVSD To BPA XchgNrg	0	0	0	6	5.8	5.7	6	5.8	5.7	5.7	0	0	0	0	3.2
22 RVSD To BPA PkRepl	0	0	0	0	4.9	4.7	4.7	4.8	4.9	4.2	4.7	7.1	0	0	3.0
23 RVSD To BPA PkRepl	7.2	7.1	7	6.5	0	0	0	0	0	0	0	0	7	6.5	2.8
24 RVSD To BPA XchgNrg	0	0	0	0	16	16	17	16	15	16	0	0	0	0	7.4
25 RVSD To BPA S/Pwr/X	0	0	0	0	9.7	9.6	10	9.3	9.1	9.1	0	0	0	0	4.4
26 RVSD To BPA PkRepl	11	11	11	10	2.8	2.7	2.7	2.7	2.8	2.4	2.6	0	0	10	4.9
27 Total Imports From PSW	45	45	49	45	228	299	221	164	92	62	30	26	29	43	107
-Imports From Inland Southwest-															
28 Other Entities To BPA	50	50	50	50	50	50	50	50	50	50	50	0	0	50	42
29 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
30 UPL To UPL PwrS	487	487	445	400	390	411	393	406	410	393	393	433	491	575	436
31 WAPA To GLEC ARP	3.3	3.3	3.1	2.9	3.3	3.7	3.8	4	3.3	3.3	3.3	2.8	3.1	3.3	3.3
32 Total Imports From ISW	615	615	573	498	488	510	492	505	508	521	521	511	569	704	541
-Imports From Canada-															
33 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
35 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
36 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
-Imports From Other Entities-															
37 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
38 Federal System	184	184	217	249	318	376	351	305	275	272	239	102	124	203	247
39 Public Entities	31	31	26	31	73	89	102	111	103	47	47	38	49	37	61
40 Investor-Owned Entities	1031	1004	893	1028	1018	1145	1034	979	821	833	852	847	960	1116	975
41 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Total Imports.	1246	1219	1136	1308	1409	1610	1486	1395	1198	1151	1138	988	1132	1356	1283

Table A-5: Regional Imports
PNW Loads and Resource Study
2006 - 2007 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Imports From East of Continental Divide-															
1 BEPC To NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE To NWE PwrS	177	150	148	163	79	115	101	102	67	85	105	194	208	197	136
3 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 Other Entities To CKPD	10	10	10	0	0	0	0	0	0	0	0	0	0	0	1.7
5 Other Entities To IPC	46	46	0	0	0	0	0	0	0	0	0	0	46	43	11
6 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
7 PPL To PPL PwrS	126	126	137	132	158	176	165	155	115	122	122	88	143	140	138
8 Total Imports From ECD	473	446	437	504	582	690	639	585	483	481	501	383	515	514	523
-Imports From Pacific Southwest-															
9 BURB To BPA XchgNrg	2.6	2.6	2.6	2.6	3.7	5	5	5	5	4	3.6	2.6	2.6	2.6	3.6
10 BURB To BPA PkRepl	5.5	5.4	5.4	3.8	2.7	2.6	2.7	2.7	2.7	2.7	2.5	4.2	5.4	5.2	3.8
11 GLEN To BPA XchgNrg	2.9	2.9	2.9	2.9	4.2	5.6	5.6	5.6	5.6	5.7	2.8	2.9	2.9	2.9	4
12 GLEN To BPA PkRepl	6.1	6	6	4.3	3	2.9	3	3.0	3	3	2.8	4.7	6	5.8	4.2
13 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
14 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
15 PASA To BPA XchgNrg	1.7	1.7	1.7	1.7	2.5	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	2.4
16 PASA To BPA PkRepl	3.7	3.6	3.6	2.6	1.8	1.7	1.8	1.8	1.8	1.8	1.7	2.8	3.6	3.5	2.5
17 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
18 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
19 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
20 PG&E To PSE S/Pwr/X	0	0	0	0	134	195	116	61	0	0	0	0	0	0	42
21 RVSD To BPA XchgNrg	0	0	0	6.0	5.7	6.0	5.7	5.8	5.7	6.3	0	0	0	0	3.2
22 RVSD To BPA PkRepl	0	0	0	0	4.9	4.5	4.9	4.8	4.7	4.9	4.4	7.1	0	0	3.0
23 RVSD To BPA PkRepl	7.2	7.1	6.7	6.8	0	0	0	0	0	0	0	0	6.7	6.8	2.8
24 RVSD To BPA XchgNrg	0	0	0	0	16	17	16	16	15	17	0	0	0	0	7.4
25 RVSD To BPA S/Pwr/X	0	0	0	0	9.6	10	9.6	9.3	9.1	10	0	0	0	0	4.4
26 RVSD To BPA PkRepl	11	11	10	11	2.8	2.5	2.8	2.7	2.8	2.8	2.5	0	0	11	4.9
27 Total Imports From PSW	45	45	48	45	228	300	220	164	91	68	28	26	29	44	107
-Imports From Inland Southwest-															
28 Other Entities To BPA	50	50	50	50	50	50	0	0	0	0	0	0	0	0	21
29 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
30 UPL To UPL PwrS	490	490	444	399	385	409	396	407	410	395	395	436	494	579	437
31 WAPA To GLEC ARP	3.3	3.3	3.1	0	0	0	0	0	0	0	0	0	0	0	0.5
32 Total Imports From ISW	618	618	572	494	480	504	441	452	455	470	470	511	569	654	518
-Imports From Canada-															
33 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
35 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
36 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
-Imports From Other Entities-															
37 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
38 Federal System	184	184	216	250	318	377	300	255	224	227	187	102	123	154	226
39 Public Entities	31	31	26	18	59	75	88	97	89	34	34	26	36	24	50
40 Investor-Owned Entities	942	915	831	797	950	1090	974	920	778	788	808	820	992	1062	912
41 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Total Imports.	1157	1129	1074	1065	1327	1542	1362	1272	1092	1049	1029	948	1152	1239	1188

Table A-5: Regional Imports
PNW Loads and Resource Study
2007 - 2008 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Imports From East of Continental Divide-															
1 BEPC To NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE To NWE PwrS	181	154	152	166	82	118	105	106	70	89	108	198	211	201	140
3 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 Other Entities To IPC	46	46	0	0	0	0	0	0	0	0	0	0	44	45	11
5 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 PPL To PPL PwrS	160	160	98	136	152	200	140	182	144	146	146	135	169	178	153
7 Total Imports From ECD	500	473	391	510	579	718	618	617	516	509	528	433	542	558	541
-Imports From Pacific Southwest-															
8 BURB To BPA XchgNrg	2.6	2.6	2.6	2.6	3.7	5	5	5	5	5	0	0	0	0	2.8
9 BURB To BPA PkRepl	5.5	5.4	5.2	3.9	2.7	2.6	2.7	2.7	2.6	2.7	0	0	0	0	2.4
10 GLEN To BPA XchgNrg	2.9	2.9	2.9	2.9	4.1	5.6	5.6	5.6	5.6	5.6	0	0	0	0	3.2
11 GLEN To BPA PkRepl	6.1	6	5.8	4.4	3	2.9	3	3.0	2.9	3	0	0	0	0	2.7
12 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
13 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
14 PASA To BPA XchgNrg	1.7	1.7	1.7	1.7	2.5	3.3	3.3	3.3	3.3	3.3	0	0	0	0	1.9
15 PASA To BPA PkRepl	3.7	3.6	3.5	2.6	1.8	1.7	1.8	1.8	1.7	1.8	0	0	0	0	1.6
16 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
17 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
18 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
19 PG&E To PSE S/Pwr/X	0	0	0	0	134	195	116	61	0	0	0	0	0	0	42
20 RVSD To BPA XchgNrg	0	0	0	5.7	5.7	6.0	5.7	5.8	6.0	5.7	0	0	0	0	3.1
21 RVSD To BPA PkRepl	0	0	0	0	4.9	4.5	4.9	4.8	4.5	4.9	4.9	6.8	0	0	2.9
22 RVSD To BPA PkRepl	7.2	7.1	6.4	7.1	0	0	0	0	0	0	0	0	6.7	7.1	2.9
23 RVSD To BPA XchgNrg	0	0	0	0	16	17	16	15	16	15	0	0	0	0	7.4
24 RVSD To BPA S/Pwr/X	0	0	0	0	9.5	9.9	9.4	9.1	9.4	9	0	0	0	0	4.3
25 RVSD To BPA PkRepl	11	11	10	11	2.8	2.5	2.8	2.6	2.5	2.7	2.8	0	0	11	4.9
26 Total Imports From PSW	45	45	47	46	228	299	220	163	92	65	14	6.8	6.7	23	101
-Imports From Inland Southwest-															
27 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
28 UPL To UPL PwrS	493	493	447	403	389	412	398	408	410	394	394	439	499	579	439
29 Total Imports From ISW	568	568	522	448	434	457	443	453	455	469	469	514	574	654	499
-Imports From Canada-															
30 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
32 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
33 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
-Imports From Other Entities-															
34 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
35 Federal System	134	134	165	200	268	326	299	254	225	225	173	83	101	132	199
36 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
37 Investor-Owned Entities	982	955	799	808	951	1120	955	952	811	815	834	874	1025	1106	933
38 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Total Imports.	1134	1107	977	1027	1278	1522	1342	1304	1125	1074	1041	982	1162	1262	1180

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Imports From East of Continental Divide-															
1 BEPC To NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE To NWE PwrS	203	355	353	234	86	122	109	110	73	92	112	201	125	204	167
3 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 Other Entities To IPC	45	45	0	0	0	0	0	0	0	0	0	0	46	45	11
5 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 PPL To PPL PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Total Imports From ECD	360	513	496	443	431	522	482	439	374	366	386	302	290	383	414
-Imports From Pacific Southwest-															
8 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
9 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
10 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
11 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
12 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
13 PG&E To PSE S/Pwr/X	0	0	0	0	134	195	0	0	0	0	0	0	0	0	27
14 RVSD To BPA XchgNrg	0	0	0	5.7	6.1	5.7	5.7	5.8	6	5.7	0	0	0	0	3.2
15 RVSD To BPA PkRepl	0	0	0	0	4.4	4.9	4.7	4.8	4.7	4.9	4.9	6.5	0	0	2.9
16 RVSD To BPA PkRepl	6.2	6.8	7	7.1	0	0	0	0	0	0	0	0	7	7.1	2.9
17 RVSD To BPA XchgNrg	0	0	0	0	17	16	16	16	16	15	0	0	0	0	7.4
18 RVSD To BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.4	9.2	9.4	9.0	0	0	0	0	4.3
19 RVSD To BPA PkRepl	9.7	11	11	11	2.5	2.8	2.7	2.7	2.7	2.7	2.8	0	0	11	5.0
20 Total Imports From PSW	20	22	27	28	211	277	82	81	71	44	14	6.5	7	23	72
-Imports From Inland Southwest-															
21 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
22 UPL To UPL PwrS	492	492	451	405	391	413	397	405	409	396	396	442	506	580	441
23 Total Imports From ISW	567	567	526	450	436	458	442	450	454	471	471	517	581	655	501
-Imports From Canada-															
24 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
26 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
27 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
-Imports From Other Entities-															
28 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
29 Federal System	109	111	145	182	251	304	278	233	204	203	173	83	101	132	184
30 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
31 Investor-Owned Entities	841	994	907	742	805	925	702	710	668	674	694	745	780	931	793
32 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Total Imports.	968	1122	1065	943	1115	1305	1067	1041	962	911	901	853	917	1088	1026

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 BEPC To NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE To NWE PwrS	188	160	158	173	89	126	112	113	77	95	115	205	219	208	147
3 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 Other Entities To IPC	45	45	0	0	0	0	0	0	0	0	0	0	0	0	3.7
5 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 Total Imports From ECD	345	317	300	381	434	526	485	442	378	369	389	306	337	342	387
<i>-Imports From Pacific Southwest-</i>															
7 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
8 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
9 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
10 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
11 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
12 RVSD To BPA XchgNrg	0	0	0	5.7	6.1	5.7	6	5.8	5.7	5.7	0	0	0	0	3.2
13 RVSD To BPA PkRepl	0	0	0	0	4.7	4.9	4.5	4.8	4.9	4.9	4.9	6.5	0	0	2.9
14 RVSD To BPA PkRepl	6.2	6.8	7	6.8	0	0	0	0	0	0	0	0	0	0	1.7
15 RVSD To BPA XchgNrg	0	0	0	0	17	16	17	16	15	15	0	0	0	0	7.4
16 RVSD To BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.9	9.2	9.0	9.0	0	0	0	0	4.3
17 RVSD To BPA PkRepl	9.7	11	11	11	2.6	2.8	2.5	2.7	2.8	2.7	2.8	0	0	11	4.9
18 Total Imports From PSW	20	22	27	27	78	82	83	81	70	44	14	6.5	0	15	43
<i>-Imports From Inland Southwest-</i>															
19 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
20 UPL To UPL PwrS	495	495	455	409	396	415	396	406	411	397	397	445	512	581	443
21 Total Imports From ISW	570	570	530	454	441	460	441	451	456	472	472	520	587	656	503
<i>-Imports From Canada-</i>															
22 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
24 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
25 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
26 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
27 Federal System	109	111	145	182	251	304	279	233	203	203	173	83	94	125	183
28 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
29 Investor-Owned Entities	829	801	716	685	680	736	704	714	674	678	698	752	833	892	741
30 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Total Imports.	956	930	874	885	990	1116	1070	1045	967	915	905	860	963	1040	972

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE To NWE PwrS	191	163	161	176	177	214	111	111	75	94	113	120	133	123	140
2 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0	42
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
4 Total Imports From ECD	304	276	303	384	438	530	300	256	192	184	203	120	152	157	276
<i>-Imports From Pacific Southwest-</i>															
5 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
6 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
7 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
8 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
9 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
10 RVSD To BPA XchgNrg	0	0	0	0	16	16	17	16	16	16	16	0	0	0	7.4
11 RVSD To BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.9	9.2	9.0	9.0	0	0	0	0	4.3
12 RVSD To BPA PkRepl	11	10	11	10	2.8	2.8	2.5	2.7	2.8	2.6	2.6	0	0	10	4.8
13 Total Imports From PSW	16	15	20	14	66	71	72	71	60	34	8.8	0	0	15	35
<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	60
15 UPL To UPL PwrS	499	499	460	411	399	417	397	406	412	400	400	450	519	582	446
16 Total Imports From ISW	574	574	535	456	444	462	442	451	457	475	475	525	594	657	506
<i>-Imports From Canada-</i>															
17 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
19 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
20 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<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	0
<i>-Total Imports-</i>															
22 Federal System	105	103	138	169	240	294	268	223	193	193	168	76	94	124	175
23 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
24 Investor-Owned Entities	792	764	724	690	687	742	519	529	489	496	515	572	654	707	633
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Imports.	914	885	875	877	985	1111	875	849	771	723	717	674	785	856	856

Table A-5: Regional Imports
PNW Loads and Resource Study
2011 - 2012 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE To NWE PwrS	105	77	76	91	90	129	114	114	78	97	117	124	137	127	107
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	118	90	118	199	251	344	303	259	195	187	207	124	156	161	201
<i>-Imports From Pacific Southwest-</i>															
4 GLEN To PGE S/Pwr/X	0	0	0	0	8.9	8.9	8.9	8.9	0	0	0	0	0	0	3.0
5 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
6 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
7 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
8 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 RVSD To BPA XchgNrg	0	0	0	0	16	16	17	16	16	17	0	0	0	0	7.4
10 RVSD To BPA S/Pwr/X	0	0	0	0	9.3	9.2	9.7	9.4	9.2	10	0	0	0	0	4.3
11 RVSD To BPA PkRepl	11	11	10	10	2.8	2.7	2.7	2.7	2.7	2.8	2.5	0	0	11	4.9
12 Total Imports From PSW	16	16	19	14	65	71	72	71	60	37	8.7	0	0	15	35
<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	60
14 UPL To UPL PwrS	507	507	465	416	404	420	403	416	421	406	406	452	511	586	451
15 Total Imports From ISW	582	582	540	461	449	465	448	461	466	481	481	527	586	661	511
<i>-Imports From Canada-</i>															
16 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
18 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
19 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<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	0
<i>-Total Imports-</i>															
21 Federal System	105	104	137	169	239	293	268	223	193	196	168	76	94	125	175
22 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
23 Investor-Owned Entities	614	586	544	510	505	560	528	542	501	505	525	578	650	715	562
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports.	737	708	694	697	803	928	884	862	783	734	727	680	781	864	786

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE To NWE PwrS	108	80	79	94	94	133	118	118	82	100	121	128	141	130	110
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	121	93	121	202	255	348	307	263	199	190	211	128	160	164	205
<i>-Imports From Pacific Southwest-</i>															
4 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
5 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
6 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
7 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
8 RVSD To BPA XchgNrg	0	0	0	0	16	17	16	16	17	16	0	0	0	0	7.4
9 RVSD To BPA S/Pwr/X	0	0	0	0	9.3	9.8	9.3	9.5	9.8	9.3	0	0	0	0	4.4
10 RVSD To BPA PkRepl	11	11	9.5	11	2.8	2.5	2.8	2.7	2.5	2.7	2.8	0	0	11	4.9
11 Total Imports From PSW	16	16	18	15	57	63	62	62	61	34	9.0	0	0	16	33
<i>-Imports From Inland Southwest-</i>															
12 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
13 UPL To UPL PwrS	509	509	465	416	400	419	405	418	423	408	408	455	514	590	452
14 Total Imports From ISW	584	584	540	461	445	464	450	463	468	483	483	530	589	665	512
<i>-Imports From Canada-</i>															
15 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
17 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
18 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
20 Federal System	105	104	136	169	239	294	267	223	194	193	168	76	94	125	175
21 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
22 Investor-Owned Entities	619	591	547	513	496	554	525	539	507	510	531	585	657	722	564
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	742	713	696	701	795	924	880	860	790	737	733	687	788	872	788

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE To NWE PwrS	112	83	82	97	98	137	122	122	86	104	124	131	145	134	114
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	125	96	124	205	259	352	311	267	203	194	214	131	164	168	208
<i>-Imports From Pacific Southwest-</i>															
4 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
5 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
6 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
7 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
8 RVSD To BPA XchgNrg	0	0	0	0	16	17	16	16	17	16	0	0	0	0	7.4
9 RVSD To BPA S/Pwr/X	0	0	0	0	9.3	9.7	9.2	9.4	9.7	9.2	0	0	0	0	4.3
10 RVSD To BPA PkRepl	11	11	10	11	2.6	2.7	2.8	2.7	2.5	2.7	2.8	0	0	11	4.9
11 Total Imports From PSW	15	15	19	15	56	63	62	62	61	34	9.0	0	0	16	33
<i>-Imports From Inland Southwest-</i>															
12 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
13 UPL To UPL PwrS	512	512	468	418	402	421	407	420	425	410	410	458	517	594	454
14 Total Imports From ISW	587	587	543	463	447	466	452	465	470	485	485	533	592	669	514
<i>-Imports From Canada-</i>															
15 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
17 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
18 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
20 Federal System	104	104	137	169	239	294	267	223	194	193	168	76	94	125	175
21 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
22 Investor-Owned Entities	626	597	553	518	502	560	531	545	513	516	536	591	664	730	570
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	748	719	702	706	800	930	886	866	796	743	738	693	795	880	794

Table A-5: Regional Imports
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE To NWE PwrS	116	87	86	101	101	141	126	126	89	107	128	136	149	138	118
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	129	100	128	209	262	356	315	271	206	197	218	136	168	172	212
<i>-Imports From Pacific Southwest-</i>															
4 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
5 PASA To BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
6 PASA To BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
7 PASA To BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	0	0.7
8 RVSD To BPA XchgNrg	0	0	0	0	17	16	16	16	17	16	0	0	0	0	7.4
9 RVSD To BPA S/Pwr/X	0	0	0	0	9.8	9.2	9.2	9.4	9.7	9.2	0	0	0	0	4.3
10 RVSD To BPA PkRepl	9.7	11	10	11	2.5	2.8	2.7	2.7	2.7	2.7	2.8	0	0	11	4.9
11 Total Imports From PSW	14	15	19	15	58	62	62	62	61	34	9.0	0	0	11	32
<i>-Imports From Inland Southwest-</i>															
12 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
13 UPL To UPL PwrS	515	515	471	420	404	423	409	423	428	412	412	461	521	598	457
14 Total Imports From ISW	590	590	546	465	449	468	454	468	473	487	487	536	596	673	517
<i>-Imports From Canada-</i>															
15 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 BCHP To SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
17 Other Entities To PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
18 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
20 Federal System	103	104	137	169	240	293	267	223	194	193	168	76	94	121	175
21 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
22 Investor-Owned Entities	633	604	560	524	507	566	537	552	519	521	542	599	672	738	577
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	754	726	710	712	807	934	892	873	802	748	744	701	803	883	800

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-6
Small Thermal & Miscellaneous
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Thermal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Thermal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Thermal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
-Other Entities-															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
-Other Entities-															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

Table A-6: Regional Small Thermal and Miscellaneous
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Bangor Base #1 Diesel Genorators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>															
6 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
7 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 Total Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
<i>-Other Entities-</i>															
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-7
Combustion Turbines
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	233	233	236	241	243	246	248	246	243	244	244	165	242	233	235
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	370	370	373	379	382	386	388	385	380	257	257	300	379	370	362
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	2.0	0.1	0	1.9	0	0.3	1.9	0	0	0	1.9	2.1	3.8	4	1.3
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.3	0.3	1	0	0	1	0	0	1	0	0	0	1	0.9	0.4
20 Encogen	138	138	163	151	83	79	76	96	78	70	70	48	45	130	96
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
28 Total Investor-Owned Entities	1059	1085	1168	1078	983	994	1003	1000	708	638	640	528	931	1013	926
-Other Entities-															
29 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
30 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
31 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
32 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
33 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
34 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
35 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Public Entities	370	370	373	379	382	386	388	385	380	257	257	300	379	370	362
37 Investor-Owned Entities	1059	1085	1168	1078	983	994	1003	1000	708	638	640	528	931	1013	926
38 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
39 Total Combustion Turbines	2409	2435	2522	2438	2350	2370	2382	2376	2069	1593	1595	1549	1821	2364	2188

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	233	233	236	180	180	180	180	180	180	180	180	165	180	180	188
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	370	370	373	318	319	320	320	319	317	193	193	300	317	317	315
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	2.3	0	0	1.9	0	0	1.9	0	0	0	1.9	2.7	1.9	2.1	1
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.6	0.7	1	0	0	1	0	0	1	0	0	0	1	0.9	0.5
20 Encogen	153	153	168	157	131	109	82	92	65	62	62	49	46	139	104
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	0	0	0	396	396	396	396	396	396	396	396	200	396	396	314
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1074	1100	1173	1480	1427	1419	1405	1392	1091	1026	1028	729	1326	1416	1248
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	370	370	373	318	319	320	320	319	317	193	193	300	317	317	315
38 Investor-Owned Entities	1074	1100	1173	1480	1427	1419	1405	1392	1091	1026	1028	729	1326	1416	1248
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2425	2450	2527	2779	2731	2729	2716	2702	2389	1917	1919	1750	2154	2714	2462

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	180	180	180	180	180	180	180	180	180	180	180	78	180	180	172
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	317	317	317	318	319	320	320	319	317	193	193	212	317	317	299
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	4.8	0	0	1.9	0	0	1.9	0	0	0	1.9	3.2	3.7	4.0	1.5
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.1	0.1	1	0	0	1	0	0	1	0	0	0	1	0.9	0.4
20 Encogen	158	158	168	155	137	133	75	72	69	61	61	50	57	133	106
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1477	1500	1569	1478	1433	1443	1398	1372	1095	1025	1027	731	1339	1412	1316
-Other Entities-															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	317	317	317	318	319	320	320	319	317	193	193	212	317	317	299
38 Investor-Owned Entities	1477	1500	1569	1478	1433	1443	1398	1372	1095	1025	1027	731	1339	1412	1316
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2775	2798	2867	2777	2737	2753	2709	2682	2393	1916	1918	1665	2167	2710	2514

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	180	180	180	180	180	180	180	180	180	180	180	165	180	180	179
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	317	317	317	318	319	320	320	319	317	193	193	300	317	317	306
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	5.2	0.1	0	1.9	0	0	1.9	0	0	0	1.9	4.7	8.3	8.9	2.4
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.3	0.3	1.2	0	0	1	0	0	1	0	0	0	1	1.1	0.5
20 Encogen	155	155	168	159	133	139	76	74	69	49	49	59	47	129	105
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1475	1498	1569	1482	1429	1449	1399	1374	1095	1013	1015	741	1334	1413	1316
-Other Entities-															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	317	317	317	318	319	320	320	319	317	193	193	300	317	317	306
38 Investor-Owned Entities	1475	1498	1569	1482	1429	1449	1399	1374	1095	1013	1015	741	1334	1413	1316
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2772	2795	2867	2781	2733	2759	2710	2684	2393	1904	1906	1762	2161	2711	2521

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	180	180	180	180	180	180	180	180	180	180	180	0	180	180	165
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	317	317	317	318	319	320	320	319	317	193	193	134	317	317	292
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	11	0	0	1.9	0	0.3	1.9	0	0	0	1.9	3.4	9.3	9.9	2.7
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	1.4	1.5	2	0	0	1	0	0	1	0	0	0	1	0.9	0.6
20 Encogen	156	156	166	153	134	138	73	75	63	49	49	49	55	127	103
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1482	1460	1543	1451	1430	1449	1396	1375	1089	1013	1015	730	1343	1412	1309
-Other Entities-															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	317	317	317	318	319	320	320	319	317	193	193	134	317	317	292
38 Investor-Owned Entities	1482	1460	1543	1451	1430	1449	1396	1375	1089	1013	1015	730	1343	1412	1309
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2780	2757	2841	2750	2734	2759	2707	2685	2387	1904	1906	1586	2170	2710	2500

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	188	188	188	188	188	188	188	188	188	188	188	0	188	188	172
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	325	325	325	326	327	328	328	327	325	201	201	134	325	325	300
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	15	0	0.1	1.9	0	0.1	1.9	0	0	0	1.9	2	3.4	3.6	1.8
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	1.7	1.8	3.3	0	0	1	0	0	1	0	0	0	1	0.9	0.7
20 Encogen	155	155	168	156	113	117	53	75	58	51	51	49	53	116	97
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	0	0	0	25	0	0	0	0	0	0	0	0	0	0	2.1
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1474	1459	1547	1479	1409	1427	1376	1375	1084	1015	1017	729	1335	1395	1303
-Other Entities-															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	325	325	325	326	327	328	328	327	325	201	201	134	325	325	300
38 Investor-Owned Entities	1474	1459	1547	1479	1409	1427	1376	1375	1084	1015	1017	729	1335	1395	1303
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2780	2765	2852	2786	2721	2745	2695	2693	2390	1914	1916	1585	2171	2700	2502

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	196	196	196	196	196	196	196	196	196	196	196	165	196	196	193
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	333	333	333	334	335	336	336	335	333	209	209	300	333	333	321
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	9.5	0.2	0	1.9	0	0.1	1.9	0	0	0	1.9	2.6	4.4	4.7	1.8
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.2	0.2	1.5	0	0	1	0	0	1	0	0	0	1	0.9	0.5
20 Encogen	152	152	164	141	103	121	65	65	54	47	47	43	51	116	94
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1476	1495	1566	1464	1399	1431	1388	1365	1080	1011	1013	723	1334	1396	1304
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	333	333	333	334	335	336	336	335	333	209	209	300	333	333	321
38 Investor-Owned Entities	1476	1495	1566	1464	1399	1431	1388	1365	1080	1011	1013	723	1334	1396	1304
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2790	2808	2879	2779	2719	2757	2715	2691	2394	1918	1920	1744	2178	2709	2524

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	201	201	201	201	201	201	201	201	201	201	201	165	201	201	198
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	338	338	338	339	340	341	341	340	338	214	214	300	338	338	325
-Investor-Owned Entities-															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	12	0.2	0	1.9	0	0.2	1.9	0	0	0	1.9	2	3.3	3.6	1.7
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.4	0.4	2.7	0	0	1	0	0.1	1	0	0	0	1	0.9	0.6
20 Encogen	151	151	159	130	101	105	64	64	57	48	48	41	41	105	89
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1478	1494	1562	1453	1397	1416	1387	1364	1083	1012	1014	721	1323	1384	1299
-Other Entities-															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
-Combustion Turbines-															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	338	338	338	339	340	341	341	340	338	214	214	300	338	338	325
38 Investor-Owned Entities	1478	1494	1562	1453	1397	1416	1387	1364	1083	1012	1014	721	1323	1384	1299
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2796	2812	2880	2773	2722	2747	2719	2695	2402	1924	1926	1742	2172	2702	2524

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	349	349	349	350	351	352	352	351	349	225	225	212	349	349	328
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	8.8	0	0	1.9	0	0	1.9	0	0	0	1.9	1.9	3.8	4.1	1.6
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.2	0.2	2	0	0	1	0	0	1	0	0	0	1	0.9	0.5
20 Encogen	142	142	155	123	88	89	64	71	63	47	47	48	46	105	87
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1465	1484	1557	1446	1384	1399	1387	1371	1089	1011	1013	727	1328	1384	1297
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	349	349	349	350	351	352	352	351	349	225	225	212	349	349	328
38 Investor-Owned Entities	1465	1484	1557	1446	1384	1399	1387	1371	1089	1011	1013	727	1328	1384	1297
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2795	2814	2887	2777	2720	2741	2730	2713	2419	1934	1936	1662	2188	2714	2524

Table A-7: Regional Combustion Turbines
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
3 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
4 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 River Road	223	223	223	223	223	223	223	223	223	223	223	165	223	223	218
9 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	360	360	360	361	362	363	363	362	360	236	236	300	360	360	345
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	460	460	466	476	485	492	492	489	214	277	277	336	466	460	426
15 Beaver 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Bennett Mountain	8.6	0	0	1.9	0	0	1.9	0	0	0	1.9	2.0	4.4	4.7	1.7
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	26	26	26	26	26	26	26	26	26	26	26	0	26	26	24
19 Danskin	0.4	0.5	1.9	0	0	1	0	0	1	0	0	0	1	0.9	0.5
20 Encogen	151	151	159	130	101	105	64	64	57	48	48	41	41	105	89
21 Frederickson CT	124	124	124	124	124	124	124	124	124	0	0	124	124	124	114
22 Fredonia 1&2	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5
23 Fredonia 3&4	11	11	20	5	0	6	0	0	0	0	0	0	0	3	3.8
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	3.4	7.2	7.2	6.9
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1474	1454	1536	1428	1397	1415	1387	1364	1083	1012	1014	721	1324	1385	1293
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0.4	0.4	0.4	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	360	360	360	361	362	363	363	362	360	236	236	300	360	360	345
38 Investor-Owned Entities	1474	1454	1536	1428	1397	1415	1387	1364	1083	1012	1014	721	1324	1385	1293
39 Other Entities	981	981	981	981	986	991	991	991	981	699	699	722	511	981	899
40 Total Combustion Turbines	2815	2794	2877	2770	2744	2768	2741	2717	2424	1946	1948	1742	2195	2725	2538

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-8
Renewable Resources
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	3.8	0	0	0	0	0	0	0	0	0	0.3
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	50	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	50	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	86	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
-Public Entities-															
3 Coffin Butte	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	1.9
4 Short Mountain	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
5 Total Public Entities	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	6.2	6.2
-Investor-Owned Entities-															
6 Fossil Gulch Wind Project	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	2.6
7 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	44	44	44	44	44	44	44	44	44	44	44	22	44	44	42
9 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
-Other Entities-															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
11 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
12 Public Entities	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	6.2	6.2
13 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	25	47	47	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	80	80	81	82	84	85	84	84	83	83	58	80	80	80

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-9
Cogeneration
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

Table A-9: Regional Cogeneration
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor_Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	150	207	203	210
5 Coyote Springs #2	275	275	275	275	275	275	275	275	275	275	275	0	275	275	252
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	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	9.6
9 Total Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	979	979	984	991	997	1002	1002	1000	996	992	992	160	983	979	922
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2104	2104	2109	2116	2122	2120	2127	2125	1502	2117	2117	1057	2108	2097	1975

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-10
Large Thermal
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2005 - 2006 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
11 Colstrip #1: Regional Total	133	133	133	133	133	133	133	133	133	133	133	133	133	133	133
-Colstrip #2: Coal-															
12 Puget Sound Energy	133	118	133	133	133	133	133	133	133	133	133	133	133	133	132
13 Colstrip #2: Regional Total	133	118	133	133	133	133	133	133	133	133	133	133	133	133	132
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
15 Pacific Power	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
16 Portland General Electric	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
17 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
18 Colstrip #3: Regional Total	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	96	96	96	12	99	99	99	99	99	99	99	99	99	99	92
20 Northwestern Energy LLC (MPC)	192	192	192	25	199	199	199	199	199	199	199	199	199	199	183
21 Pacific Power	64	64	64	8.3	66	66	66	66	66	66	66	66	66	66	61
22 Portland General Electric	128	128	128	17	132	132	132	132	132	132	132	132	132	132	122
23 Puget Sound Energy	160	160	160	21	166	166	166	166	166	166	166	166	166	166	153
24 Colstrip #4: Regional Total	640	640	640	83	662	662	662	662	662	662	662	662	662	662	610
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	143	72	154	154	154	150
37 Pacific Power	307	307	307	307	307	307	307	307	307	287	143	307	307	307	300
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	430	215	461	461	461	449
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	114	96	96	81	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	114	96	96	81	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	120	101	101	81	120	120	115
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	120	101	101	81	120	120	115
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5245	5230	5245	4688	5267	5267	5267	5267	5267	5199	4955	4113	5267	5267	5103
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6300	6285	6300	5743	6322	6322	6322	6322	6322	6254	6007	5113	6322	6322	6153

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2006 - 2007 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	133	133	0	39	138	138	138	138	138	138	138	136	128	127	116
11 Colstrip #1: Regional Total	133	133	0	39	138	138	138	138	138	138	138	136	128	127	116
-Colstrip #2: Coal-															
12 Puget Sound Energy	133	133	133	112	105	133	133	133	133	133	133	133	133	133	129
13 Colstrip #2: Regional Total	133	133	133	112	105	133	133	133	133	133	133	133	133	133	129
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	96	45	0	34	96	99	99	99	99	99	99	99	99	99	83
15 Pacific Power	64	30	0	23	64	66	66	66	66	66	66	66	66	66	55
16 Portland General Electric	128	60	0	45	128	132	132	132	132	132	132	132	132	132	111
17 Puget Sound Energy	160	75	0	57	160	166	166	166	166	166	166	166	166	166	138
18 Colstrip #3: Regional Total	448	209	0	159	448	463	463	463	463	463	463	463	463	463	387
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	5.3	32	161	137
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	11	64	321	274
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	16	96	482	411
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	65	163	163	163	159
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	130	325	325	325	317
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	195	488	488	488	476
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	31	69	159	141
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	61	138	318	282
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	92	207	477	422
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	120	101	101	86	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	120	101	101	86	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5267	5028	4686	4863	5244	5288	5288	5288	5247	5268	4946	3306	4622	5277	4947
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6322	6084	5741	5918	6299	6343	6343	6343	6302	6323	5998	3661	4844	6332	5874

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2008 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	110	57	136	138	138	133
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	110	57	136	138	138	133
-Colstrip #2: Coal-															
12 Puget Sound Energy	133	133	133	13	35	138	138	138	138	138	138	138	138	138	118
13 Colstrip #2: Regional Total	133	133	133	13	35	138	138	138	138	138	138	138	138	138	118
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	15	82	154	136
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	30	164	307	272
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	45	246	461	408
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5288	5288	5288	5168	5190	5293	5293	5293	5210	5265	5183	3767	5078	5293	5115
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6343	6343	6343	6223	6245	6348	6348	6348	6265	6320	6235	4767	6133	6348	6165

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2008 - 2009 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	90	0	0	67	99	99	99	99	99	99	99	99	99	99	84
20 Northwestern Energy LLC (MPC)	179	0	0	134	199	199	199	199	199	199	199	199	199	199	168
21 Pacific Power	60	0	0	45	66	66	66	66	66	66	66	66	66	66	56
22 Portland General Electric	120	0	0	90	132	132	132	132	132	132	132	132	132	132	112
23 Puget Sound Energy	150	0	0	112	166	166	166	166	166	166	166	166	166	166	140
24 Colstrip #4: Regional Total	598	0	0	448	662	662	662	662	662	662	662	662	662	662	559
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	64	161	161	161	157
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	129	321	321	321	313
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	193	482	482	482	470
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	5.3	163	163	150
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	11	325	325	299
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	16	488	488	449
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	64	159	159	159	159	155
34 Pacific Power	318	318	318	318	318	318	318	318	318	127	318	318	318	318	310
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	191	477	477	477	477	465
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5229	4631	4631	5079	5293	5293	5293	5293	5210	5007	4975	3646	5164	5293	5009
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6284	5686	5686	6134	6348	6348	6348	6348	6265	6062	6027	4001	5386	6348	5936

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2009 - 2010 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	144	16	159	146
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	287	32	318	292
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	431	48	477	437
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	92	123	154	154	154	150
37 Pacific Power	307	307	307	307	307	307	307	307	307	185	246	307	307	307	300
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	277	369	461	461	461	450
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5149	4482	4545	4544	4864	5293	5118
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6205	5537	5597	5544	5919	6348	6168

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2010 - 2011 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	86	41	161	161	148
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	171	83	321	321	295
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	257	124	482	482	443
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	87	141	163	163	163	159
31 Pacific Power	325	325	325	325	325	325	325	325	325	173	282	325	325	325	317
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	260	423	488	488	488	476
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5149	4438	4347	4232	5293	5293	5117
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6205	5493	5399	4587	5515	6348	6044

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2011 - 2012 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
-Boardman: Coal-																
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50	
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328	
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75	
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50	
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504	
-Centralia #1: Coal-																
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577	
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577	
-Centralia #2: Coal-																
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	
-Colstrip #1: Coal-																
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	
-Colstrip #2: Coal-																
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	
-Colstrip #3: Coal-																
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463	
-Colstrip #4: Coal-																
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199	
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662	
-Columbia Generating Station: Uranium-																
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
-Jim Bridger #1: Coal-																
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482	
-Jim Bridger #2: Coal-																
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325	
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488	
-Jim Bridger #3: Coal-																
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318	
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477	
-Jim Bridger #4: Coal-																
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	19	154	154	142	
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	37	307	307	285	
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	56	461	461	427	
-Valmy #1: Coal-																
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110	
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110	
-Valmy #2: Coal-																
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116	
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116	
-Total Large Thermal-																
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50	
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5264	3780	5293	5293	5158	
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6265	6348	6316	4780	6348	6348	6209	

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2012 - 2013 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	129	140	161	161	158
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	257	280	321	321	315
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	386	420	482	482	473
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	121	0	76	163	163	163	149
31 Pacific Power	325	325	325	325	325	325	325	325	241	0	152	325	325	325	298
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	362	0	228	488	488	488	446
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	64	159	159	159	155
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	127	318	318	318	310
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	191	477	477	477	465
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5084	4805	4622	4123	5293	5293	5129
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6139	5860	5674	4478	5515	6348	6057

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2013 - 2014 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5293	5293	5264	4185	5293	5293	5192
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6265	6348	6316	5185	6348	6348	6243

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2014 - 2015 Operating Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
2 Portland General Electric	359	359	359	359	359	359	359	359	359	359	338	0	359	359	328
3 San Diego Gas & Electric	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
5 Boardman: Regional Total	551	551	551	551	551	551	551	551	551	551	519	0	551	551	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
26 Columbia Generating Station: Regional Total	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
-Jim Bridger #3: Coal-															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
-Jim Bridger #4: Coal-															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
-Valmy #1: Coal-															
39 Idaho Power Company	114	114	114	114	114	114	114	114	114	97	97	77	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	114	97	97	77	114	114	110
-Valmy #2: Coal-															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
-Total Large Thermal-															
43 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
45 Investor-Owned Entities	5293	5293	5293	5293	5293	5293	5293	5293	5293	5275	5246	4160	5293	5293	5192
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6348	6348	6348	6348	6348	6348	6348	6348	6305	6330	6298	4515	5515	6348	6119

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-11
Restoration
Monthly OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-12
Canadian Entitlement Return For CSPE
Monthly OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Monthly OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-14
Supplemental & Entitlement Capacity
Monthly OY 2006 – 2015
Average Energy 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-15
Canadian Entitlement Return For Canada
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	1.9	1.9	1.9	1.9	1.5	1.5	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	1.2
3 COPD to BPA	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.5	0.5	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
6 FGRV to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	11	11	11	11	13	13	19	19	19	19	19	19	19	19	16
9 ICLP to BPA	0	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	0.1
11 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	0
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 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	0.1
14 MCMN to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0
17 PGE to BPA	4.2	4.2	4.2	4.2	3.4	3.4	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.7
18 PPL to BPA	4.2	4.2	4.2	4.2	3.4	3.4	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.7
19 PSE to BPA	2.4	2.4	2.4	2.4	1.9	1.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	2.4	2.4	2.4	2.4	1.9	1.9	1.1	1.1	1.1	1	1	1	1	1	1.5
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	2.4	2.4	2.4	2.4	1.9	1.9	1.1	1.1	1.1	1	1	1	1	1	1.5
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0	0	0	0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.3
26 Priest Rapids: Regional Totals	31	31	31	31	31	31	30	30	30	29	29	29	29	29	30
-Wanapum CER for Canada-															
27 AVWP 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	2.4
28 COPD to BPA	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	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7
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	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
34 ICLP to BPA	0	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	0
36 KOOT to BPA	0	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	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.2
40 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	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.2	5.2	5.2	5.2	5.2	5.4
43 PPL to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.2	5.2	5.2	5.2	5.2	5.4
44 PSE to BPA	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3	3	3	3	3	3.1
45 RREC to BPA	0	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	0
47 SLEC to BPA	0	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	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.4	5.4	5.4	5.4	5.6
53 PSE to BPA	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.4	5.4	5.4	5.4	5.6
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.6
56 PSE 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	3.6
57 Rock Island P.H. #2: Regional Totals	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.9	6.9	6.9	6.9	6.9	7.1

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.6	5.6	5.6	5.6	5.6	5.7
60 CLKM to BPA	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.5	8.5	8.5	8.5	8.5	8.7
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
62 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
63 PPL to BPA	2	2	2	2	2	2	2	2	2	2.0	2.0	2.0	2.0	2.0	2
64 PSE to BPA	15	15	15	15	15	15	15	15	15	14	14	14	14	14	15
65 Rocky Reach: Regional Totals	38	38	38	38	38	38	38	38	38	37	37	37	37	37	38
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.8	6.8	6.8	6.8	6.8	7
69 OKPD 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	1.9
70 PGE to BPA	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.6	4.6	4.6	4.6	4.7
71 PPL 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	1.6
72 PSE to BPA	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.1	7.1	7.1	7.1	7.1	7.3
73 Wells: Regional Totals	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	57	57	57	57	57	57	62	62	62	59	59	59	59	59	59
76 Investor-Owned Entities	76	76	76	76	73	73	69	69	69	66	66	66	66	66	71
77 Other Entities	8.8	8.8	8.8	8.8	11	11	11	11	11	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	141	141	141	141	141	141	141	141	141	136	136	136	136	136	139

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	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	0.8
3 COPD 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	0.3
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.2
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	19	19	19	19	19	19	19	19	19	18	18	18	18	18	18
9 ICLP to BPA	0	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	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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE 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	1.9
18 PPL 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	1.9
19 PSE 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	1.1
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT 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	1.7
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29
-Wanapum CER for Canada-															
27 AVWP 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	2.3
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	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	0.6
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	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	10	10	10	10	10	10	10	10	10	9.9	9.9	9.9	9.9	9.9	10
34 ICLP to BPA	0	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	0
36 KOOT to BPA	0	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	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.2
40 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	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.2
43 PPL to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.2
44 PSE to BPA	3	3	3	3	3	3	3	3	3	2.9	2.9	2.9	2.9	2.9	3.0
45 RREC to BPA	0	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	0
47 SLEC to BPA	0	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	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	27	27	27	27	27	28
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
53 PSE to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.4
56 PSE 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	3.4
57 Rock Island P.H. #2: Regional Totals	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.7	6.7	6.7	6.7	6.8

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.4	5.4	5.4	5.4	5.5
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.2	8.2	8.2	8.2	8.2	8.4
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.3	4.3	4.3	4.3	4.4
63 PPL 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	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.6	6.6	6.6	6.6	6.8
69 OKPD 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	1.8
70 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
71 PPL 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	1.6
72 PSE to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.9	6.9	6.9	6.9	6.9	7
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	23	23	23	23	23	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	59	59	59	59	59	59	59	59	59	57	57	57	57	57	59
76 Investor-Owned Entities	66	66	66	66	66	66	66	66	66	64	64	64	64	64	66
77 Other Entities	10	10	10	10	10	10	10	10	10	9.9	9.9	9.9	9.9	9.9	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	136	136	136	136	136	136	136	136	136	132	132	132	132	132	134

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	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	0.8
3 COPD 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	0.3
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.2
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9 ICLP to BPA	0	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	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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE 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	1.8
18 PPL 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	1.8
19 PSE 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
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT 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	1.7
26 Priest Rapids: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
-Wanapum CER for Canada-															
27 AVWP 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	2.2
28 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	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	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	0.6
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	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.9
34 ICLP to BPA	0	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	0
36 KOOT to BPA	0	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	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.2
40 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	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5	5	5	5	5.1
43 PPL to BPA	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5	5	5	5	5.1
44 PSE 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	2.9
45 RREC to BPA	0	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	0
47 SLEC to BPA	0	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	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2
53 PSE to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2
54 Rock Island P.H. #1: Regional Totals	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.3
56 PSE 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	3.3
57 Rock Island P.H. #2: Regional Totals	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.7

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
59 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
60 CLKM 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	8.2
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	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	4.3	4.3
63 PPL 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	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	36	36	36	36	36	36	36	36	36	35	35	35	35	35	36
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 DOPD to BPA	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.6
69 OKPD 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	1.8
70 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.5
71 PPL 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	1.5
72 PSE to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.9
73 Wells: Regional Totals	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
76 Investor-Owned Entities	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
77 Other Entities	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.9
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	132	132	132	132	132	132	132	132	132	130	130	130	130	130	131

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	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	0.8
3 COPD 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	0.3
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.2
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	18	18	18	18	18	18	19	19	19	19	19	18
9 ICLP to BPA	0	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	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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0
17 PGE 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	1.8
18 PPL 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	1.8
19 PSE to BPA	1	1	1	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1.1
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1	1	1	1	1	1.0
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1	1	1	1	1	1.0
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT 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	1.7
26 Priest Rapids: Regional Totals	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29
-Wanapum CER for Canada-															
27 AVWP to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.2
28 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	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	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	0.6
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	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD 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	10.0
34 ICLP to BPA	0	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	0
36 KOOT to BPA	0	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	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.2
40 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	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5	5	5	5	5	5	5	5	5	5.3	5.3	5.3	5.3	5.3	5.1
43 PPL to BPA	5	5	5	5	5	5	5	5	5	5.3	5.3	5.3	5.3	5.3	5.1
44 PSE to BPA	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3	3	3	3	3	2.9
45 RREC to BPA	0	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	0
47 SLEC to BPA	0	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	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	27	27	27	27	27	27	27	27	27	28	28	28	28	28	27
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.3
53 PSE to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.3
54 Rock Island P.H. #1: Regional Totals	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.4
56 PSE to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.4
57 Rock Island P.H. #2: Regional Totals	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.0	7.0	7.0	7.0	7.0	6.7

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP to BPA	1	1	1	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1
59 CHPD to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.6	5.6	5.4
60 CLKM to BPA	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.5	8.5	8.5	8.5	8.3
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1	1	1	1	1	1.0
62 PGE to BPA	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.5	4.3
63 PPL 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	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	35	35	35	35	35	35	35	35	35	37	37	37	37	37	36
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV to BPA	1	1	1	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1
68 DOPD to BPA	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	6.9	6.9	6.9	6.9	6.6
69 OKPD 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	1.8
70 PGE to BPA	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.7	4.7	4.5
71 PPL to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5
72 PSE to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.2	7.2	7.2	7.2	7.2	6.9
73 Wells: Regional Totals	23	23	23	23	23	23	23	23	23	24	24	24	24	24	23
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	57	57	57	57	57	57	57	57	57	60	60	60	60	60	58
76 Investor-Owned Entities	64	64	64	64	64	64	64	64	64	67	67	67	67	67	65
77 Other Entities	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10	10	10	10	10	10.0
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	130	130	130	130	130	130	130	130	130	137	137	137	137	137	132

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	0.8	0.8	0.8	0.8	1.4	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
3 COPD to BPA	0.3	0.3	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	19	19	19	19	14	14	16	16	16	17	17	17	17	17	17
9 ICLP to BPA	0	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	0	0	0	0	0	0	0	0	0	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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
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	0.1
17 PGE to BPA	1.9	1.9	1.9	1.9	3.1	3.1	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.6
18 PPL to BPA	1.9	1.9	1.9	1.9	3.1	3.1	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.6
19 PSE to BPA	1.1	1.1	1.1	1.1	1.8	1.8	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1	1	1	1	1.7	1.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.4
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1	1	1	1	1.7	1.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.4
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
26 Priest Rapids: Regional Totals	29	29	29	29	30	30	29	29	29	30	30	30	30	30	30
-Wanapum CER for Canada-															
27 AVWP to BPA	2.3	2.3	2.3	2.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5
28 COPD to BPA	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	10	10	10	10	14	14	16	16	16	16	16	16	16	16	14
34 ICLP to BPA	0	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	0
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	0
37 LREC to BPA	0	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	0.1
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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	0
42 PGE to BPA	5.3	5.3	5.3	5.3	3.0	3.0	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	3.3
43 PPL to BPA	5.3	5.3	5.3	5.3	3.0	3.0	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	3.3
44 PSE to BPA	3	3	3	3	1.7	1.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.9
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	1.6	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.6
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.5
53 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.5
56 PSE to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.5
57 Rock Island P.H. #2: Regional Totals	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.1

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	5.8	5.8	5.8	5.8	5.7
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.8	8.8	8.8	8.8	8.8	8.6
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.5
63 PPL to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2	2	2	2	2	2.0
64 PSE to BPA	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	38	38	38	38	38	38
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.1	7.1	7.1	7.1	6.9
69 OKPD 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	1.9
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.7
71 PPL 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	1.6
72 PSE to BPA	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.2
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	25	25	25	25	25	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	60	60	60	60	63	63	66	66	66	68	68	68	68	68	64
76 Investor-Owned Entities	67	67	67	67	64	64	61	61	61	62	62	62	62	62	63
77 Other Entities	10	10	10	10	10	10	10	10	10	11	11	11	11	11	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	137	137	137	137	137	137	137	137	137	141	141	141	141	141	138

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP 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	1.2
3 COPD 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	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
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	0.1
17 PGE to BPA	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	2.7
18 PPL to BPA	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	2.7
19 PSE to BPA	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL 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	1.5
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU 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	1.5
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	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	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
-Wanapum CER for Canada-															
27 AVWP 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	1.1
28 COPD 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	0.4
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB 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	0.3
31 FGRV 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	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	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	0
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	0.1
37 LREC to BPA	0	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	0.1
39 MCMN 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	0.1
40 MTFR 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	0.1
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	0.1
42 PGE to BPA	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.6
43 PPL to BPA	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.6
44 PSE 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	1.5
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL 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	1.4
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU 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	1.4
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	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	0.9
51 Wanapum: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
53 PSE to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.6
56 PSE 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	3.6
57 Rock Island P.H. #2: Regional Totals	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.2

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.8
60 CLKM to BPA	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.8
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	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	4.6
63 PPL to BPA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
64 PSE to BPA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7
69 OKPD 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	1.9
70 PGE to BPA	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.8
71 PPL 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	1.6
72 PSE to BPA	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.3	7.4
73 Wells: Regional Totals	25	25	25	25	25	25	25	25	25	24	24	24	24	24	25
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	68	68	68	68	68	68	68	68	68	67	67	67	67	67	68
76 Investor-Owned Entities	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
77 Other Entities	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	141	141	141	141	141	141	141	141	141	139	139	139	139	139	140

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
3 COPD 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	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
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	0.1
17 PGE to BPA	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
18 PPL to BPA	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
19 PSE 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	1.5
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL 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	1.4
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU 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	1.4
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	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	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
-Wanapum CER for Canada-															
27 AVWP 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	1.1
28 COPD 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	0.4
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB 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	0.3
31 FGRV 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	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	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	0
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	0.1
37 LREC to BPA	0	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	0.1
39 MCMN 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	0.1
40 MTFR 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	0.1
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	0.1
42 PGE to BPA	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	2.5
43 PPL to BPA	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	2.5
44 PSE to BPA	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	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	0.9
51 Wanapum: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5
53 PSE to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.5
56 PSE 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	3.5
57 Rock Island P.H. #2: Regional Totals	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7	7	7	7	7	7.1

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.7
60 CLKM to BPA	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.7
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
63 PPL to BPA	2	2	2	2	2	2	2	2	2	2.0	2.0	2.0	2.0	2.0	2.0
64 PSE to BPA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	38	38	38	38	38	38	38	38	38	37	37	37	37	37	38
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	7.0
69 OKPD 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	1.9
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
71 PPL 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	1.6
72 PSE to BPA	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.3
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67
76 Investor-Owned Entities	62	62	62	62	61	61	61	61	61	61	61	61	61	61	61
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	139	139	139	139	139	139	139	139	139	138	138	138	138	138	139

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP 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	1.1
3 COPD 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	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC 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	0.1
17 PGE to BPA	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
18 PPL to BPA	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
19 PSE 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	1.5
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL 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	1.4
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU 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	1.4
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	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	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	29	29	29	29	29	30
-Wanapum CER for Canada-															
27 AVWP 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	1.1
28 COPD to BPA	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB 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	0.3
31 FGRV 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	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	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	0
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	0.1
37 LREC to BPA	0	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	0.1
39 MCMN 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	0.1
40 MTFR 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	0.1
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	0.1
42 PGE to BPA	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
43 PPL to BPA	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
44 PSE 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	1.4
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL 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	1.3
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU 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	1.3
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
-Rock Island P.H. #1 CER for Canada-															
52 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	5.5
53 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	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD to BPA	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	3.5	3.5
56 PSE to BPA	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	3.5	3.5
57 Rock Island P.H. #2: Regional Totals	7	7	7	7	7	7	7	7	7	6.9	6.9	6.9	6.9	6.9	7.0

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60 CLKM to BPA	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.6
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
63 PPL 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	2.0
64 PSE to BPA	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.9
69 OKPD 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	1.8
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.7
71 PPL 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	1.6
72 PSE to BPA	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.2
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	67	67	67	67	67	67	67	67	67	66	66	66	66	66	67
76 Investor-Owned Entities	61	61	61	61	60	60	60	60	60	60	60	60	60	60	60
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	138	138	138	138	138	138	138	138	138	136	136	136	136	136	137

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP 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	1.1
3 COPD 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	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	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	2.5
18 PPL to BPA	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	2.5
19 PSE 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	1.4
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	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	0.9
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Wanapum CER for Canada-															
27 AVWP to BPA	1.1	1.1	1.1	1.1	1	1	1	1	1	1	1	1	1	1	1
28 COPD 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	0.3
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB 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	0.3
31 FGRV 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	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	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	0
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	0.1
37 LREC to BPA	0	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	0.1
39 MCMN 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	0.1
40 MTFR 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	0.1
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	0.1
42 PGE 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	2.4
43 PPL 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	2.4
44 PSE 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	1.4
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL 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	1.3
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU 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	1.3
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	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	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4
53 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.5
56 PSE 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	3.5
57 Rock Island P.H. #2: Regional Totals	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	6.9	6.9

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.6
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.5
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.5
63 PPL 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	2.0
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
69 OKPD 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	1.8
70 PGE to BPA	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	4.6
71 PPL 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	1.6
72 PSE to BPA	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	7.1	7.1
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
76 Investor-Owned Entities	60	60	60	60	60	60	60	60	60	59	59	59	59	59	59
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	136	136	136	136	136	136	136	136	136	135	135	135	135	135	136

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-BPA Canada-															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-															
2 AVWP 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	1.1
3 COPD to BPA	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB 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	0.3
6 FGRV 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	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0.1
12 LREC to BPA	0	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	0.1
14 MCMN 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	0.1
15 MTFR 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	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18 PPL to BPA	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19 PSE 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	1.4
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL 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	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU 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	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	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	0.9
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Wanapum CER for Canada-															
27 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 COPD 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	0.3
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB 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	0.3
31 FGRV 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	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	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	0
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	0.1
37 LREC to BPA	0	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	0.1
39 MCMN 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	0.1
40 MTFR 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	0.1
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	0.1
42 PGE 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	2.3
43 PPL 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	2.3
44 PSE to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL 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	1.3
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU 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	1.3
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	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	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
-Rock Island P.H. #1 CER for Canada-															
52 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
53 PSE to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
-Rock Island P.H. #2 CER for Canada-															
55 CHPD 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	3.4
56 PSE 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	3.4
57 Rock Island P.H. #2: Regional Totals	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.8

Table A-15: Canadian Entitlement Return For Canada
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach CER for Canada-															
58 AVWP 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
59 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	5.5
60 CLKM to BPA	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.4
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
63 PPL 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	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36
-Wells CER for Canada-															
66 AVWP to BPA	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	0.8
67 COLV 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	1.1
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.7
69 OKPD 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	1.8
70 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
71 PPL 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	1.6
72 PSE to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	23	23	23	23	23	24
-Total CER For Canada-															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	66	66	66	66	66	66	66	66	66	65	65	65	65	65	66
76 Investor-Owned Entities	59	59	59	59	59	59	59	59	59	58	58	58	58	58	59
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	135	135	135	135	135	135	135	135	135	133	133	133	133	133	134

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-16
Intra-Regional Transfers
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To EWEB PwrS	1	1	1	2	3	3	3	3	2	2	2	2	1	1	2
5 BPA To Other Entities	805	810	156	54	54	54	54	54	54	3.5	3.5	3.5	3.5	54	112
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
8 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
9 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
10 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	24	24	10
13 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
14 DOPD To Other Entities	50	50	50	20	20	20	20	20	20	0	0	0	0	0	18
15 ENW To BCPD PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 ENW To BCPD PwrS	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0.4
17 ENW To FCPD PwrS	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0.3
18 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
19 GCPD To AVWP PwrS	0	0	0	0	15	15	15	15	14	23	23	29	30	26	15
20 GCPD To COPD PwrS	0	0	0	0	5	5	5	5	5	8	8	10	10	9	5.2
21 GCPD To EWEB PwrS	0	0	0	0	4	4	4	4	4	7	7	8	8	7	4.2
22 GCPD To FGRV PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2	1.2
23 GCPD To FREC PwrS	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0.3
24 GCPD To KITT PwrS	0	0	0	0	1	1	1	1	1	1	1	2	2	1	0.9
25 GCPD To KOOT PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.8
26 GCPD To LVE PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.8
27 GCPD To LVE PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0.8
28 GCPD To MCMN PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2	1.2
29 GCPD To MTRF PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2	1.2
30 GCPD To PGE PwrS	0	0	0	0	33	33	33	33	33	53	53	67	68	59	34
31 GCPD To PPL PwrS	0	0	0	0	40	40	40	40	39	64	64	81	82	71	41
32 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
33 GCPD To PSE PwrS	0	0	0	0	19	19	19	19	19	31	31	39	39	34	20
34 GCPD To TPU PwrS	0	0	0	0	15	15	15	15	15	24	24	31	31	27	16
35 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
36 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
37 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
38 Other Entities To AVWP	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
39 Other Entities To BPA	1203	1205	1203	1202	1204	1203	802	805	803	553	551	554	553	802	907
40 Other Entities To DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Other Entities To GHPD	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
42 Other Entities To PGE	14	14	14	164	314	534	534	534	384	384	384	84	84	134	265
43 Other Entities To PPL	384	384	384	384	384	384	384	384	384	384	384	384	384	384	384
44 Other Entities To SCL	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
45 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
46 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	18	17	7.4
47 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	25	25	12
48 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
49 PKE To SCL PwrS	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
50 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
51 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
53 PPL To FLHD PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
54 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
55 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
56 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>57 SCL To POPD PwrS</i>	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
<i>58 SCL To PPL PwrS</i>	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
<i>59 SHPD To PSE PwrS</i>	7.4	7.4	8.3	9.2	12	16	15	14	12	10	10	8.7	7.9	7.3	11
<i>60 TAUC To AVWP PwrS</i>	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
<i>61 TPU To BPA PwrX</i>	35	35	35	0	0	0	35	35	35	35	35	35	35	35	26
<i>62 WSPE To PGE PwrS</i>	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
63 Total Contracts	3856	3863	3369	3392	4006	4182	3839	3763	3409	3151	3176	2502	2861	3034	3448
<i>-Total Contracts Out-</i>															
<i>64 Federal System</i>	1003	1008	393	346	648	661	659	603	450	367	368	172	231	281	485
<i>65 Public Entities</i>	228	228	210	140	255	259	295	292	290	355	355	412	460	422	302
<i>66 Investor-Owned Entities</i>	1236	1237	1377	1374	1419	1355	1376	1360	1313	1324	1324	1108	1357	1225	1319
<i>67 Other Entities</i>	1389	1389	1388	1531	1684	1906	1510	1508	1357	1104	1129	809	813	1107	1343
68 Total Contracts Out	3856	3863	3369	3392	4006	4182	3839	3763	3409	3151	3176	2502	2861	3034	3448
<i>-Total Contracts In-</i>															
<i>69 Federal System</i>	1433	1436	1579	1531	1576	1510	1168	1159	1135	884	882	767	885	1007	1220
<i>70 Public Entities</i>	353	353	348	345	388	388	384	381	355	374	374	382	427	416	378
<i>71 Investor-Owned Entities</i>	1293	1292	1253	1446	1973	2214	2217	2153	1849	1892	1920	1354	1548	1562	1731
<i>72 Other Entities</i>	766	771	178	70	70	70	70	70	70	0	0	0	0	50	118
73 Total Contracts In	3846	3852	3358	3392	4006	4182	3839	3763	3409	3151	3176	2502	2861	3034	3447

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To EWEB PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
5 BPA To Other Entities	54	54	54	0	0	0	0	0	0	0	0	0	0	0	8.9
6 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	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	94
10 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	24	24	10
13 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
14 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 ENW To BCPD PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
16 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
17 GCPD To AVWP PwrS	18	18	16	19	19	19	17	18	18	26	26	32	32	28	22
18 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	10	10	9	7.2
19 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	9	9	8	6.1
20 GCPD To FGRV PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
21 GCPD To FREC PwrS	0	0	0	0	1	1	0	0	0	1	1	1	1	1	0.5
22 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
23 GCPD To KOOT PwrS	1	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	1
25 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26 GCPD To MCMN PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
27 GCPD To MTRF PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
28 GCPD To PGE PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63	50
29 GCPD To PPL PwrS	49	49	45	52	53	53	48	49	49	72	72	88	87	76	60
30 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
31 GCPD To PSE PwrS	23	23	21	25	25	25	23	23	23	34	34	42	42	36	28
32 GCPD To TPU PwrS	19	19	17	20	20	20	18	18	18	27	27	33	33	29	23
33 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
34 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
35 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
36 Other Entities To AVWP	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
37 Other Entities To BPA	805	803	803	375	375	374	0	0	0	0	0	0	0	0	228
38 Other Entities To DOPD	14	14	14	22	22	22	23	22	22	14	14	14	14	14	18
39 Other Entities To GHPD	15	15	15	0	0	0	0	0	0	0	0	0	0	0	2.5
40 Other Entities To PGE	134	134	134	189	489	639	639	639	489	489	489	189	189	239	372
41 Other Entities To PPL	384	384	384	384	384	384	384	384	384	384	384	384	384	0	352
42 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
43 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	18	17	7.4
44 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	25	25	12
45 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
46 PKE To SCL PwrS	95	95	95	95	95	95	0	0	0	0	0	0	0	0	40
47 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
49 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
50 PPL To FLHD PwrS	16	16	16	0	0	0	0	0	0	0	0	0	0	0	2.7
51 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
52 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
53 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
54 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
55 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
56 SHPD To PSE PwrS	7.4	7.4	8.3	9.2	12	16	15	14	12	10	10	8.7	7.9	7.3	11

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>57 TAUC To AVWP PwrS</i>	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
<i>58 TPU To BPA PwrX</i>	35	35	35	0	0	0	0	0	0	0	0	0	0	0	5.8
<i>59 WSPE To PGE PwrS</i>	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
60 Total Contracts	2862	2859	3005	2589	3216	3321	2857	2780	2434	2479	2507	1918	2094	1672	2603
-Total Contracts Out-															
<i>61 Federal System</i>	251	252	291	291	592	605	602	547	394	361	362	167	227	226	380
<i>62 Public Entities</i>	344	344	310	299	279	283	265	264	267	344	344	401	441	402	325
<i>63 Investor-Owned Entities</i>	1236	1237	1377	1245	1290	1226	1247	1231	1184	1195	1195	1067	1140	712	1179
<i>64 Other Entities</i>	1030	1026	1027	754	1055	1207	743	739	589	578	605	282	287	332	720
65 Total Contracts Out	2862	2859	3005	2589	3216	3321	2857	2780	2434	2479	2507	1918	2094	1672	2603
-Total Contracts In-															
<i>66 Federal System</i>	1035	1034	1179	704	747	681	331	319	297	296	296	178	297	170	519
<i>67 Public Entities</i>	307	307	298	279	291	290	187	183	161	168	168	178	221	210	231
<i>68 Investor-Owned Entities</i>	1469	1468	1478	1606	2178	2349	2339	2278	1976	2015	2042	1562	1576	1292	1844
<i>69 Other Entities</i>	50	50	50	0	0	0	0	0	0	0	0	0	0	0	8.3
70 Total Contracts In	2862	2859	3005	2589	3216	3321	2857	2780	2434	2479	2507	1918	2094	1672	2603

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL CapS	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
9 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	24	24	10
11 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
14 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
15 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	10	10	9	7.2
16 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
17 GCPD To FGRV PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
20 GCPD To KOOT PwrS	1	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	1
22 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To MCMN PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
24 GCPD To MTFR PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
25 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
26 GCPD To PPL PwrS	54	52	52	53	53	53	48	49	49	72	72	88	87	76	61
27 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
28 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
29 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
30 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
31 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
32 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
33 Other Entities To AVWP	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
34 Other Entities To DOPD	16	16	16	24	24	24	24	24	24	16	16	16	16	16	20
35 Other Entities To PGE	239	239	239	189	489	589	589	589	489	489	489	189	189	189	373
36 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
37 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	18	17	7.4
38 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	25	25	12
39 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PPL To BPA PkRepl	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
43 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
44 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
45 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
46 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
47 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
48 SHPD To PSE PwrS	7.4	7.4	8.3	9.2	12	16	15	14	12	10	10	8.7	7.9	7.3	11
49 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
50 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
51 Total Contracts	1581	1579	1735	1738	2364	2417	2425	2334	2052	2097	2125	1448	1800	1624	1969
<i>-Total Contracts Out-</i>															
52 Federal System	197	197	236	291	592	605	602	540	394	361	362	167	227	226	370
53 Public Entities	326	324	301	300	279	280	265	264	267	344	344	401	441	402	322

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>54 Investor-Owned Entities</i>	723	724	864	861	906	842	863	840	800	811	811	595	844	712	805
<i>55 Other Entities</i>	335	333	334	286	587	690	695	691	591	580	607	284	289	284	472
56 Total Contracts Out	1581	1579	1735	1738	2364	2417	2425	2334	2052	2097	2125	1448	1800	1624	1969
-Total Contracts In-															
<i>57 Federal System</i>	195	196	341	329	372	307	331	312	297	296	296	178	297	170	285
<i>58 Public Entities</i>	185	185	179	186	198	194	189	185	163	170	170	180	223	212	189
<i>59 Investor-Owned Entities</i>	1201	1198	1216	1223	1794	1915	1905	1837	1592	1631	1658	1090	1280	1242	1495
<i>60 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Contracts In	1581	1579	1735	1738	2364	2417	2425	2334	2052	2097	2125	1448	1800	1624	1969

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
9 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	24	24	10
11 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
14 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
15 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	10	10	9	7.2
16 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
17 GCPD To FGRV PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
20 GCPD To KOOT PwrS	1	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	1
22 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
23 GCPD To MCMN PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
24 GCPD To MTFR PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
25 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
26 GCPD To PPL PwrS	54	52	52	53	53	53	48	49	49	72	72	88	87	76	61
27 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
28 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
29 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
30 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
31 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
32 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
33 Other Entities To AVWP	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
34 Other Entities To DOPD	17	17	17	27	26	27	27	27	27	17	17	17	17	17	22
35 Other Entities To PGE	189	189	189	189	489	589	589	589	489	489	489	189	189	189	364
36 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
37 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	18	17	7.4
38 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	25	25	12
39 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
43 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
44 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
45 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
46 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
47 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
48 SHPD To PSE PwrS	7.4	7.4	8.3	9.2	12	16	15	14	12	10	10	8.7	7.9	7.3	11
49 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
50 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
51 Total Contracts	1532	1530	1686	1740	2365	2423	2427	2350	2054	2097	2125	1536	1712	1624	1963
<i>-Total Contracts Out-</i>															
52 Federal System	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
53 Public Entities	326	324	301	299	278	282	264	263	266	343	343	400	440	401	322

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>54 Investor-Owned Entities</i>	723	724	864	861	906	842	863	847	800	811	811	683	756	712	806
<i>55 Other Entities</i>	286	284	285	289	589	694	698	693	594	581	608	285	290	285	465
56 Total Contracts Out	1532	1530	1686	1740	2365	2423	2427	2350	2054	2097	2125	1536	1712	1624	1963
-Total Contracts In-															
<i>57 Federal System</i>	195	196	341	329	372	307	331	319	297	296	296	178	297	170	286
<i>58 Public Entities</i>	186	186	180	188	199	200	191	187	165	170	170	180	223	212	190
<i>59 Investor-Owned Entities</i>	1151	1148	1166	1223	1794	1915	1905	1844	1592	1631	1658	1178	1192	1242	1487
<i>60 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Contracts In	1532	1530	1686	1740	2365	2423	2427	2350	2054	2097	2125	1536	1712	1624	1963

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
9 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	24	24	10
11 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
14 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27	22
15 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	10	10	9	7.2
16 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
17 GCPD To FGRV PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0.8
20 GCPD To KOOT PwrS	1	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	1
22 GCPD To LVE PwrS	0	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	1.6
24 GCPD To MTRF PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
25 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63	50
26 GCPD To PPL PwrS	54	52	52	53	53	53	48	49	49	72	72	88	87	76	61
27 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
28 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36	29
29 GCPD To TPU PwrS	21	21	20	20	11	11	10	10	10	15	15	18	18	15	15
30 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
31 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
32 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
33 Other Entities To AVWP	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110
34 Other Entities To DOPD	19	19	19	29	28	30	28	29	29	19	19	19	19	19	24
35 Other Entities To PGE	189	189	189	189	489	589	575	575	475	475	475	175	175	175	356
36 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
37 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	18	17	7.4
38 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	25	25	12
39 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
43 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
44 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
45 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
46 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
47 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
48 SHPD To PSE PwrS	7.4	7.4	8.3	9.2	12	16	15	14	0	0	0	0	0	0	6.8
49 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	179	94	94	161	188	188	177
50 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
51 Total Contracts	1533	1531	1687	1742	2355	2413	2405	2328	2008	1968	1995	1468	1759	1589	1939
<i>-Total Contracts Out-</i>															
52 Federal System	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
53 Public Entities	325	323	300	299	266	270	255	253	242	320	320	371	411	379	308

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>54 Investor-Owned Entities</i>	723	724	864	861	906	842	863	847	791	717	717	656	844	712	802
<i>55 Other Entities</i>	288	286	287	291	591	696	685	681	582	569	595	273	278	273	459
56 Total Contracts Out	1533	1531	1687	1742	2355	2413	2405	2328	2008	1968	1995	1468	1759	1589	1939
-Total Contracts In-															
<i>57 Federal System</i>	195	196	341	329	372	307	331	319	297	296	296	178	297	170	286
<i>58 Public Entities</i>	187	187	181	190	189	190	183	180	155	160	160	163	206	200	182
<i>59 Investor-Owned Entities</i>	1151	1148	1166	1223	1794	1915	1891	1829	1556	1511	1539	1127	1256	1220	1471
<i>60 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Total Contracts In	1533	1531	1687	1742	2355	2413	2405	2328	2008	1968	1995	1468	1759	1589	1939

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
10 CHPD To PGE C/N/X	24	24	24	24	0	0	0	0	0	0	0	0	0	0	6
11 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
14 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27	22
15 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	10	10	9	7.2
16 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	9	9	8	6.1
17 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1	0.6
20 GCPD To KOOT PwrS	1	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	1
22 GCPD To LVE PwrS	0	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	1.4
24 GCPD To MTFR PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
25 GCPD To PGE PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	63	50
26 GCPD To PPL PwrS	54	52	52	53	53	53	48	49	49	72	72	88	87	76	61
27 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
28 GCPD To PSE PwrS	26	26	25	24	25	25	23	23	23	34	34	42	41	36	29
29 GCPD To TPU PwrS	11	11	11	10	11	11	10	10	10	15	15	18	18	15	12
30 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
31 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
32 NWE To PSE PwrS	88	88	88	96	88	88	0	0	0	0	0	0	0	0	37
33 Other Entities To AVWP	110	110	110	110	110	110	10	10	10	10	10	10	10	10	52
34 Other Entities To DOPD	21	21	21	32	32	32	31	32	32	21	21	21	21	21	27
35 Other Entities To PGE	175	175	175	175	475	475	475	475	475	475	475	175	175	175	325
36 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
37 PGE To CHPD PkRepl	18	18	18	18	0	0	0	0	0	0	0	0	0	0	4.5
38 PGE To CHPD XchgNrg	0	0	0	0	25	25	25	25	0	0	0	0	0	0	8.3
39 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
41 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
43 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
44 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
45 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
46 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
47 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
48 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	179	94	94	161	188	174
49 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
50 Total Contracts	1502	1500	1654	1706	2333	2286	2104	2029	1832	1854	1797	1209	1475	1337	1774
<i>-Total Contracts Out-</i>															
51 Federal System	197	197	236	291	592	605	602	547	394	361	362	167	227	226	370
52 Public Entities	307	305	279	274	255	254	240	239	242	320	320	371	387	355	293
53 Investor-Owned Entities	723	724	864	861	906	842	774	759	712	702	617	496	682	582	738

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>54 Other Entities</i>	276	274	274	280	581	585	488	484	485	471	497	175	180	175	372
55 Total Contracts Out	1502	1500	1654	1706	2333	2286	2104	2029	1832	1854	1797	1209	1475	1337	1774
<i>-Total Contracts In-</i>															
<i>56 Federal System</i>	195	196	341	329	372	307	331	319	297	296	296	178	297	170	286
<i>57 Public Entities</i>	178	178	170	179	193	193	186	183	158	162	162	165	165	160	174
<i>58 Investor-Owned Entities</i>	1129	1126	1143	1198	1768	1785	1587	1527	1377	1396	1339	866	1013	1008	1314
<i>59 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Total Contracts In	1502	1500	1654	1706	2333	2286	2104	2029	1832	1854	1797	1209	1475	1337	1774

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL CapS	184	184	0	0	0	0	0	0	0	0	0	0	0	0	15
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
8 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
10 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
11 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
13 GCPD To AVWP PwrS	20	20	19	0	0	0	0	0	0	0	0	0	0	0	3.3
14 GCPD To COPD PwrS	6	6	6	0	0	0	0	0	0	0	0	0	0	0	1
15 GCPD To EWEB PwrS	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0.8
16 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
17 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
18 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1
19 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
20 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
21 GCPD To LVE PwrS	0	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	0.3
23 GCPD To MTRF PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
24 GCPD To PGE PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0	7.3
25 GCPD To PPL PwrS	54	52	52	0	0	0	0	0	0	0	0	0	0	0	8.8
26 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
27 GCPD To PSE PwrS	26	26	25	0	0	0	0	0	0	0	0	0	0	0	4.3
28 GCPD To TPU PwrS	11	11	11	0	0	0	0	0	0	0	0	0	0	0	1.8
29 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
30 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
31 Other Entities To AVWP	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32 Other Entities To DOPD	12	12	12	19	19	19	18	19	19	12	12	12	12	12	15
33 Other Entities To PGE	175	175	175	150	150	150	150	150	150	150	150	150	150	150	154
34 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
35 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PPL To BPA PkRepl	184	184	0	0	0	0	0	0	0	0	0	0	0	0	15
38 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
39 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
40 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
41 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
42 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
43 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
44 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
45 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
46 Total Contracts	1263	1261	1027	901	1154	1189	1164	1112	983	952	979	566	842	742	992
<i>-Total Contracts Out-</i>															
47 Federal System	197	197	42	108	363	418	391	347	217	188	190	0.1	53	67	199
48 Public Entities	283	281	255	86	85	84	86	84	86	88	88	90	109	111	120
49 Investor-Owned Entities	617	617	565	564	564	541	538	535	535	538	538	335	535	423	524
50 Other Entities	167	165	165	142	142	146	150	146	147	137	163	141	146	141	149
51 Total Contracts Out	1263	1261	1027	901	1154	1189	1164	1112	983	952	979	566	842	742	992
<i>-Total Contracts In-</i>															

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>52 Federal System</i>	195	196	147	146	143	120	120	120	120	123	123	11	123	11	115
<i>53 Public Entities</i>	151	151	143	122	126	126	122	119	119	112	112	109	109	109	122
<i>54 Investor-Owned Entities</i>	917	914	737	632	886	944	923	874	745	716	744	447	610	622	755
<i>55 Other Entities</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Total Contracts In	1263	1261	1027	901	1154	1189	1164	1112	983	952	979	566	842	742	992

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
8 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
10 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
12 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
13 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	0	0	0	0	0	0	0	0	1.9
14 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
15 Other Entities To AVWP	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
16 Other Entities To DOPD	14	14	14	22	22	22	23	22	22	14	14	14	14	14	18
17 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
18 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
22 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
23 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
24 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
25 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
26 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
28 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
29 Total Contracts	695	694	837	904	1158	1192	1165	1112	982	949	977	652	752	739	929
<i>-Total Contracts Out-</i>															
30 Federal System	13	13	42	108	363	418	391	347	217	188	190	0.1	53	67	184
31 Public Entities	106	106	88	86	85	84	82	81	81	84	84	86	104	106	89
32 Investor-Owned Entities	433	433	565	564	564	541	538	535	535	538	538	423	447	423	509
33 Other Entities	144	142	142	145	146	149	154	150	150	139	165	143	148	143	147
34 Total Contracts Out	695	694	837	904	1158	1192	1165	1112	982	949	977	652	752	739	929
<i>-Total Contracts In-</i>															
35 Federal System	11	11	147	146	143	120	120	120	120	123	123	11	123	11	100
36 Public Entities	121	121	117	125	129	128	126	122	122	114	114	111	111	111	120
37 Investor-Owned Entities	563	562	573	632	886	944	919	870	740	712	739	530	518	617	710
38 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Total Contracts In	695	694	837	904	1158	1192	1165	1112	982	949	977	652	752	739	929

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Intra-Regional Transfers-															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL S/Pwr/X	0	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	0
7 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
8 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
10 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
12 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
13 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
14 Other Entities To AVWP	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15 Other Entities To DOPD	16	16	16	24	24	24	24	24	24	16	16	16	16	16	20
16 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
17 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
18 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.8
21 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
22 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
23 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
24 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
25 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
26 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
27 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
28 Total Contracts	693	691	834	901	1155	1191	1167	1114	984	951	979	566	807	707	923
-Total Contracts Out-															
29 Federal System	13	13	42	108	363	418	391	347	217	188	190	0.1	18	34	178
30 Public Entities	101	101	83	81	80	81	82	81	81	84	84	86	104	106	87
31 Investor-Owned Entities	433	433	565	564	564	541	538	535	535	538	538	335	535	423	509
32 Other Entities	146	144	144	147	147	151	156	151	152	141	167	145	150	145	149
33 Total Contracts Out	693	691	834	901	1155	1191	1167	1114	984	951	979	566	807	707	923
-Total Contracts In-															
34 Federal System	11	11	147	146	143	120	120	120	120	123	123	11	123	11	100
35 Public Entities	123	123	119	127	131	130	128	124	124	116	116	113	113	113	122
36 Investor-Owned Entities	559	557	568	627	881	941	919	870	740	712	739	442	571	583	702
37 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Contracts In	693	691	834	901	1155	1191	1167	1114	984	951	979	566	807	707	923

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Intra-Regional Transfers-															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	49	50	0	0	0	42
6 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	0	17	19	4.3
8 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 FPLEV To PGE PwrS	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
10 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
11 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
12 Other Entities To AVWP	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
13 Other Entities To DOPD	18	18	18	27	26	27	27	27	27	18	18	18	18	18	22
14 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
15 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
16 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 PPL To SCL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
18 PPL To SUB PwrS	34	34	30	30	34	34	30	27	27	27	27	24	24	24	28
19 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
20 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
21 SCL To PPL PwrS	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
22 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
23 WSPE To PGE PwrS	42	41	41	35	36	40	44	40	40	38	64	42	46	41	41
24 Total Contracts	695	693	813	881	1133	1194	1169	1117	987	953	981	656	721	709	920
-Total Contracts Out-															
25 Federal System	13	13	42	108	363	418	391	347	217	188	190	0.1	18	34	178
26 Public Entities	101	101	83	81	80	81	82	81	81	84	84	86	104	106	87
27 Investor-Owned Entities	433	433	542	542	541	541	538	535	535	538	538	423	447	423	503
28 Other Entities	148	146	146	150	149	154	159	154	155	143	169	147	152	147	151
29 Total Contracts Out	695	693	813	881	1133	1194	1169	1117	987	953	981	656	721	709	920
-Total Contracts In-															
30 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
31 Public Entities	125	125	121	130	133	134	131	127	127	118	118	115	115	115	124
32 Investor-Owned Entities	559	557	568	627	881	941	919	870	740	712	739	530	483	583	702
33 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Contracts In	695	693	813	881	1133	1194	1169	1117	987	953	981	656	721	709	920

Table A-17
Capacity Reserves
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-18
Wells & Chelan Allocation
Monthly OY 2006 – 2015
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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	32	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
1 Wells	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
2 Wells Before Enc	591	478	310	391	467	459	359	339	337	340	317	309	452	453	395
<i>-Wells-</i>															
3 AVWP Share	18	14	9.0	12	14	14	11	9.9	9.8	9.9	9.2	8.9	14	14	12
4 COLV Share	24	19	12	16	19	19	14	13	13	13	12	12	18	18	16
5 DOPD Share	156	123	77	99	120	118	90	85	84	85	79	76	116	116	100
6 OKPD Share	41	33	21	26	32	32	24	23	22	23	21	20	31	31	27
7 PGE Share	105	83	52	67	81	80	61	57	57	58	53	52	79	79	68
8 PPL Share	36	28	18	23	28	27	21	20	19	20	18	18	27	27	23
9 PSE Share	162	129	80	103	125	123	94	89	88	89	82	80	122	121	105
10 Wells After Enc	543	430	269	346	420	412	316	296	294	297	275	267	407	405	350
<i>-Chelan-</i>															
11 Chelan	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
12 Chelan Before Enc	28	20	17	53	53	52	51	50	50	48	28	5.9	48	54	41
<i>-Chelan-</i>															
13 CHPD Share	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44
14 Chelan After Enc	31	23	20	55	55	55	54	54	54	52	31	9.9	51	57	44

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-19
Rocky Reach & Rock Island Allocation
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
2 Rocky Reach Before Enc	808	641	403	528	637	628	487	458	459	460	400	378	624	609	531
<i>-Rocky Reach-</i>															
3 AVWP Share	24	19	12	16	19	19	15	14	14	14	12	11	19	18	16
4 CHPD Share	125	100	64	83	99	98	76	72	72	72	63	60	97	95	83
5 CLKM Share	190	152	97	126	151	149	116	109	109	109	96	91	148	144	126
6 DOPD Share	23	18	12	15	18	18	14	13	13	13	12	11	18	17	15
7 PGE Share	99	79	50	66	79	78	60	57	57	57	50	47	77	75	66
8 PPL Share	44	35	22	29	35	34	27	25	25	25	22	21	34	33	29
9 PSE Share	322	257	163	213	255	251	196	185	185	185	162	153	250	244	213
10 Rocky Reach After Enc	827	660	420	547	656	646	504	474	475	476	416	394	642	627	548
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
12 Rock Island PH#1 Before Enc	142	148	108	132	148	147	125	119	119	119	119	119	147	148	131
<i>-Rock Island PH#1-</i>															
13 CHPD Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
14 PSE Share	87	94	72	85	93	92	81	78	78	80	85	87	95	96	86
15 Rock Island PH#1 After Enc	174	187	144	171	185	184	163	156	156	159	171	175	189	193	172
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
17 Rock Island PH#2 Before Enc	161	116	75	104	129	127	94	86	86	72	29	18	93	80	90
<i>-Rock Island PH#2-</i>															
18 CHPD Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
19 PSE Share	99	73	50	67	81	80	61	57	57	48	21	13	60	52	58
20 Rock Island PH#2 After Enc	197	146	101	134	162	159	122	113	113	96	42	27	120	104	116

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-20
Wanapum & Priest Rapids Allocation
Monthly OY 2006 – 2015
Average Energy 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
2005 - 2006 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
2 Wanapum Before Enc	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
-Wanapum-															
3 AVWP Share	40	29	24	33	41	40	29	27	27	19	19	19	32	31	30
4 COPD Share	13	9.5	7.8	11	13	13	9.7	9.0	9.0	6.2	6.2	6.2	11	10	9.8
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	11	8.1	6.7	9.2	11	11	8.3	7.7	7.7	5.3	5.3	5.3	9.1	8.6	8.3
7 FGRV Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	177	128	106	145	181	178	131	121	121	84	84	83	144	137	132
10 ICLP Share	0	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	0
12 KOOT Share	0	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	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
16 MTFR Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
19 PPL Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
20 PSE Share	52	38	31	43	54	53	39	36	36	25	25	25	43	41	39
21 RREC Share	0	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	0
23 SLEC Share	0	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	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	23	18	21	28	26	26	12	11	11	1.6	1.6	1.6	6	9.0	14
31 COPD Share	7.7	6	6.9	9	8.6	8.5	3.9	3.6	3.6	0.5	0.5	0.5	2.0	2.9	4.8
32 CWPC Share	0	0	0	0	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.3
33 EWEB Share	6.5	5.1	5.9	7.7	7.4	7.2	3.3	3.1	3.1	0.4	0.4	0.4	1.7	2.5	4
34 FGRV Share	1.9	1.5	1.7	2.3	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.3
35 FREC Share	0	0	0	0	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.3
36 GCPD Share	140	110	127	165	232	229	264	246	246	35	35	35	135	201	170
37 ICLP Share	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	1.5	1.2	1.4	1.8	1.5	1.5	1.2	1.1	1.1	0.2	0.2	0.2	0.6	0.9	1.1
39 KOOT Share	0	0	0	0	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.5
40 LREC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	0	0	0	0	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.6
42 MCMN Share	1.9	1.5	1.7	2.3	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.3
43 MTFR Share	1.9	1.5	1.7	2.3	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.3
44 NLEC Share	0	0	0	0	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.4
45 PGE Share	53	42	48	63	60	59	27	25	25	3.5	3.5	3.5	14	20	33
46 PPL Share	53	42	48	63	60	59	27	25	25	3.5	3.5	3.5	14	20	33
47 PSE Share	31	24	28	36	34	34	16	14	14	2	2	2	7.9	12	19
48 RREC Share	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	31	24	28	36	33	33	14	13	13	1.9	1.9	1.9	7.4	11	18
50 SLEC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	31	24	28	36	33	33	14	13	13	1.9	1.9	1.9	7.4	11	18
<i>52 UNEC Share</i>	0	0	0	0	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	0	0	0	0	32	32	25	23	23	3.3	3.3	3.3	13	19	15
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
2 Wanapum Before Enc	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
-Wanapum-															
3 AVWP Share	40	29	24	33	41	40	29	27	27	19	19	19	32	31	30
4 COPD Share	13	9.5	7.8	11	13	13	9.7	9.0	9.0	6.2	6.2	6.2	11	10	9.8
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	11	8.1	6.7	9.2	11	11	8.3	7.7	7.7	5.3	5.3	5.3	9.1	8.6	8.3
7 FGRV Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	177	128	106	145	181	178	131	121	121	84	84	83	144	137	132
10 ICLP Share	0	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	0
12 KOOT Share	0	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	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
16 MTFR Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
19 PPL Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
20 PSE Share	52	38	31	43	54	53	39	36	36	25	25	25	43	41	39
21 RREC Share	0	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	0
23 SLEC Share	0	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	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	11	8.6	9.8	13	15	15	12	11	11	1.6	1.6	1.6	6	9.0	9.6
31 COPD Share	3.6	2.8	3.2	4.2	5	5.0	3.9	3.6	3.6	0.5	0.5	0.5	2.0	2.9	3.1
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	3	2.4	2.7	3.6	4.3	4.2	3.3	3.1	3.1	0.4	0.4	0.4	1.7	2.5	2.7
34 FGRV Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	244	191	220	287	343	338	264	246	246	35	35	35	135	201	214
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	1.1	0.8	1.0	1.3	1.5	1.5	1.2	1.1	1.1	0.2	0.2	0.2	0.6	0.9	0.9
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
43 MTFR Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
46 PPL Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
47 PSE Share	14	11	13	17	20	20	16	14	14	2	2	2	7.9	12	13
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	23	18	21	27	32	32	25	23	23	3.3	3.3	3.3	13	19	20
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
2 Wanapum Before Enc	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
-Wanapum-															
3 AVWP Share	40	29	24	33	41	40	29	27	27	19	19	19	32	31	30
4 COPD Share	13	9.5	7.8	11	13	13	9.7	9.0	9.0	6.2	6.2	6.2	11	10	9.8
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	11	8.1	6.7	9.2	11	11	8.3	7.7	7.7	5.3	5.3	5.3	9.1	8.6	8.3
7 FGRV Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	177	128	106	145	181	178	131	121	121	84	84	83	144	137	132
10 ICLP Share	0	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	0
12 KOOT Share	0	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	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
16 MTFR Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
19 PPL Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
20 PSE Share	52	38	31	43	54	53	39	36	36	25	25	25	43	41	39
21 RREC Share	0	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	0
23 SLEC Share	0	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	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	11	8.6	9.8	13	15	15	12	11	11	1.6	1.6	1.6	6	9.0	9.6
31 COPD Share	3.6	2.8	3.2	4.2	5	5.0	3.9	3.6	3.6	0.5	0.5	0.5	2.0	2.9	3.1
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	3	2.4	2.7	3.6	4.3	4.2	3.3	3.1	3.1	0.4	0.4	0.4	1.7	2.5	2.7
34 FGRV Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	244	191	220	287	343	338	264	246	246	35	35	35	135	201	214
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	1.1	0.8	1.0	1.3	1.5	1.5	1.2	1.1	1.1	0.2	0.2	0.2	0.6	0.9	0.9
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
43 MTFR Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
46 PPL Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
47 PSE Share	14	11	13	17	20	20	16	14	14	2	2	2	7.9	12	13
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	23	18	21	27	32	32	25	23	23	3.3	3.3	3.3	13	19	20
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
2 Wanapum Before Enc	558	424	357	471	571	562	430	402	402	298	298	298	468	448	433
-Wanapum-															
3 AVWP Share	40	29	24	33	41	40	29	27	27	19	19	19	32	31	30
4 COPD Share	13	9.5	7.8	11	13	13	9.7	9.0	9.0	6.2	6.2	6.2	11	10	9.8
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	11	8.1	6.7	9.2	11	11	8.3	7.7	7.7	5.3	5.3	5.3	9.1	8.6	8.3
7 FGRV Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	177	128	106	145	181	178	131	121	121	84	84	83	144	137	132
10 ICLP Share	0	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	0
12 KOOT Share	0	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	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
16 MTFR Share	3.4	2.5	2	2.8	3.5	3.4	2.5	2.3	2.3	1.6	1.6	1.6	2.8	2.6	2.5
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
19 PPL Share	90	66	54	74	93	91	67	62	62	43	43	43	74	70	68
20 PSE Share	52	38	31	43	54	53	39	36	36	25	25	25	43	41	39
21 RREC Share	0	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	0
23 SLEC Share	0	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	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	484	351	290	398	497	488	359	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	11	8.6	9.8	13	15	15	12	11	11	1.6	1.6	1.6	6	9.0	9.6
31 COPD Share	3.6	2.8	3.2	4.2	5	5.0	3.9	3.6	3.6	0.5	0.5	0.5	2.0	2.9	3.1
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	3	2.4	2.7	3.6	4.3	4.2	3.3	3.1	3.1	0.4	0.4	0.4	1.7	2.5	2.7
34 FGRV Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	244	191	220	287	343	338	264	246	246	35	35	35	135	201	214
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	1.1	0.8	1.0	1.3	1.5	1.5	1.2	1.1	1.1	0.2	0.2	0.2	0.6	0.9	0.9
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
43 MTFR Share	1.3	1.1	1.2	1.6	1.9	1.9	1.5	1.4	1.4	0.2	0.2	0.2	0.7	1.1	1.2
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
46 PPL Share	25	19	22	29	35	34	27	25	25	3.5	3.5	3.5	14	20	22
47 PSE Share	14	11	13	17	20	20	16	14	14	2	2	2	7.9	12	13
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	13	10	12	16	19	18	14	13	13	1.9	1.9	1.9	7.4	11	12
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	23	18	21	27	32	32	25	23	23	3.3	3.3	3.3	13	19	20
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	424	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	424	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	40	29	24	33	23	23	14	13	13	8.9	8.9	8.9	15	15	19
4 COPD Share	13	9.5	7.8	11	7.5	7.3	4.7	4.3	4.3	3.0	3.0	3.0	5.1	4.9	6.2
5 CWPC Share	0	0	0	0	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.3
6 EWEB Share	11	8.1	6.7	9.2	6.5	6.3	4.0	3.7	3.7	2.5	2.5	2.5	4.3	4.1	5.3
7 FGRV Share	3.4	2.5	2	2.8	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.7
8 FREC Share	0	0	0	0	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.4
9 GCPD Share	177	128	106	145	240	235	201	186	186	128	128	128	220	209	178
10 ICLP Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0	0	0	0	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.3
12 KOOT Share	0	0	0	0	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.5
13 LREC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 LVE Share	0	0	0	0	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	0.7
15 MCMN Share	3.4	2.5	2	2.8	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.7
16 MTFR Share	3.4	2.5	2	2.8	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.7
17 NLEC Share	0	0	0	0	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.5
18 PGE Share	90	66	54	74	53	52	32	30	30	20	20	20	35	33	43
19 PPL Share	90	66	54	74	53	52	32	30	30	20	20	20	35	33	43
20 PSE Share	52	38	31	43	30	30	18	17	17	12	12	12	20	19	25
21 RREC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	0	0	0	0	29	28	17	16	16	11	11	11	19	18	14
23 SLEC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24 TPU Share	0	0	0	0	29	28	17	16	16	11	11	11	19	18	14
25 UNEC Share	0	0	0	0	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.2
26 UNKMK Share	0	0	0	0	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	8.1
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	11	8.6	9.8	13	25	25	16	15	15	2.1	2.1	2.1	8.3	12	13
31 COPD Share	3.6	2.8	3.2	4.2	8.3	8.2	5.3	5.0	5.0	0.7	0.7	0.7	2.7	4.1	4.2
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	3	2.4	2.7	3.6	7	6.9	4.5	4.2	4.2	0.6	0.6	0.6	2.3	3.5	3.6
34 FGRV Share	1.3	1.1	1.2	1.6	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.3
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	244	191	220	287	260	256	231	216	216	30	30	30	118	176	188
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	1.1	0.8	1.0	1.3	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.6
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.3	1.1	1.2	1.6	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.3
43 MTFR Share	1.3	1.1	1.2	1.6	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.3
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	25	19	22	29	57	57	37	35	35	4.9	4.9	4.9	19	28	29
46 PPL Share	25	19	22	29	57	57	37	35	35	4.9	4.9	4.9	19	28	29
47 PSE Share	14	11	13	17	33	33	21	20	20	2.8	2.8	2.8	11	16	17
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	13	10	12	16	32	31	20	19	19	2.7	2.7	2.7	10	15	16
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	13	10	12	16	32	31	20	19	19	2.7	2.7	2.7	10	15	16
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	23	18	21	27	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	13
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	19	14	11	16	19	19	14	13	13	8.9	8.9	8.9	15	15	14
4 COPD Share	6.3	4.6	3.8	5.2	6.5	6.3	4.7	4.3	4.3	3.0	3.0	3.0	5.1	4.9	4.7
5 CWPC Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
6 EWEB Share	5.3	3.9	3.2	4.4	5.5	5.4	4.0	3.7	3.7	2.5	2.5	2.5	4.3	4.1	4.0
7 FGRV Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
8 FREC Share	0.7	0.5	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.5
9 GCPD Share	270	196	162	222	278	274	201	186	186	128	128	128	221	210	202
10 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12 KOOT Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
13 LREC Share	0.2	0.1	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
14 LVE Share	1.3	0.9	0.8	1.1	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	1.0
15 MCMN Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
16 MTFR Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
17 NLEC Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
18 PGE Share	43	31	26	35	44	43	32	29	29	20	20	20	35	33	32
19 PPL Share	43	31	26	35	44	43	32	29	29	20	20	20	35	33	32
20 PSE Share	25	18	15	20	25	25	18	17	17	12	12	12	20	19	18
21 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	23	17	14	19	24	23	17	16	16	11	11	11	19	18	17
23 SLEC Share	0.2	0.1	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
24 TPU Share	23	17	14	19	24	23	17	16	16	11	11	11	19	18	17
25 UNEC Share	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26 UNKMK Share	15	11	8.7	12	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	11
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	15	12	14	18	21	21	16	15	15	2.1	2.1	2.1	8.2	12	13
31 COPD Share	4.9	3.9	4.4	5.8	6.9	6.8	5.3	4.9	4.9	0.7	0.7	0.7	2.7	4	4.3
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	4.2	3.3	3.8	4.9	5.8	5.8	4.5	4.2	4.2	0.6	0.6	0.6	2.3	3.4	3.7
34 FGRV Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	214	167	193	251	303	299	233	218	218	31	31	31	119	178	189
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.5
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
43 MTFR Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	34	27	31	40	48	47	37	34	34	4.8	4.8	4.8	19	28	30
46 PPL Share	34	27	31	40	48	47	37	34	34	4.8	4.8	4.8	19	28	30
47 PSE Share	20	15	18	23	27	27	21	20	20	2.8	2.8	2.8	11	16	17
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	19	15	17	22	26	25	20	19	19	2.6	2.6	2.6	10	15	16
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	19	15	17	22	26	25	20	19	19	2.6	2.6	2.6	10	15	16
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	12	9	10	14	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	10
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	19	14	11	16	19	19	14	13	13	8.7	8.7	8.7	15	14	14
4 COPD Share	6.3	4.6	3.8	5.2	6.5	6.3	4.7	4.3	4.3	3.0	3.0	3.0	5.1	4.9	4.7
5 CWPC Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
6 EWEB Share	5.3	3.9	3.2	4.4	5.5	5.4	4.0	3.7	3.7	2.5	2.5	2.5	4.3	4.1	4.0
7 FGRV Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
8 FREC Share	0.7	0.5	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.5
9 GCPD Share	271	196	163	223	281	276	203	188	188	130	130	129	224	212	204
10 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12 KOOT Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
13 LREC Share	0.2	0.1	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
14 LVE Share	1.3	0.9	0.8	1.1	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	1.0
15 MCMN Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
16 MTRF Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
17 NLEC Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
18 PGE Share	43	31	26	35	43	42	31	29	29	20	20	20	34	33	32
19 PPL Share	43	31	26	35	43	42	31	29	29	20	20	20	34	33	32
20 PSE Share	25	18	15	20	25	24	18	17	17	11	11	11	20	19	18
21 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	23	17	14	19	23	23	17	16	16	11	11	11	19	18	17
23 SLEC Share	0.2	0.1	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
24 TPU Share	23	17	14	19	23	23	17	16	16	11	11	11	19	18	17
25 UNEC Share	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26 UNKMK Share	15	11	8.7	12	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	11
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	15	12	13	17	21	20	16	15	15	2.1	2.1	2.1	8.1	12	13
31 COPD Share	4.9	3.8	4.4	5.7	6.8	6.7	5.2	4.9	4.9	0.7	0.7	0.7	2.7	4.0	4.3
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	4.2	3.3	3.7	4.9	5.8	5.7	4.4	4.2	4.2	0.6	0.6	0.6	2.3	3.4	3.6
34 FGRV Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	216	169	194	253	305	301	235	219	219	31	31	31	120	179	190
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.5
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
43 MTRF Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	34	27	31	40	47	46	36	34	34	4.8	4.8	4.8	19	28	29
46 PPL Share	34	27	31	40	47	46	36	34	34	4.8	4.8	4.8	19	28	29
47 PSE Share	20	15	18	23	27	27	21	20	20	2.8	2.8	2.8	11	16	17
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	18	14	17	22	26	25	20	18	18	2.6	2.6	2.6	10	15	16
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	18	14	17	22	26	25	20	18	18	2.6	2.6	2.6	10	15	16
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	12	9	10	14	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	10
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	18	13	11	15	19	19	14	13	13	8.7	8.7	8.7	15	14	14
4 COPD Share	6.3	4.6	3.8	5.2	6.0	5.9	4.3	4.0	4.0	2.7	2.7	2.7	4.7	4.5	4.4
5 CWPC Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
6 EWEB Share	5.3	3.9	3.2	4.4	5.5	5.4	4.0	3.7	3.7	2.5	2.5	2.5	4.3	4.1	4.0
7 FGRV Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
8 FREC Share	0.7	0.5	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.5
9 GCPD Share	274	199	164	225	284	279	206	190	190	131	131	131	226	215	206
10 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12 KOOT Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
13 LREC Share	0.2	0.1	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
14 LVE Share	1.3	0.9	0.8	1.1	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	1.0
15 MCMN Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
16 MTFR Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
17 NLEC Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
18 PGE Share	42	31	25	35	43	42	31	29	29	20	20	20	34	32	31
19 PPL Share	42	31	25	35	43	42	31	29	29	20	20	20	34	32	31
20 PSE Share	24	18	15	20	24	24	18	16	16	11	11	11	19	18	18
21 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	23	16	14	19	23	22	17	15	15	11	11	11	18	17	17
23 SLEC Share	0.2	0.1	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
24 TPU Share	23	16	14	19	23	22	17	15	15	11	11	11	18	17	17
25 UNEC Share	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26 UNKMKT Share	15	11	8.7	12	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	11
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	15	12	13	17	20	20	16	15	15	2.1	2.1	2.1	8.0	12	13
31 COPD Share	4.8	3.8	4.4	5.7	6.6	6.6	5.1	4.8	4.8	0.7	0.7	0.7	2.6	3.9	4.2
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	4.1	3.2	3.7	4.8	5.7	5.6	4.4	4.1	4.1	0.6	0.6	0.6	2.2	3.3	3.6
34 FGRV Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	217	170	196	255	309	304	237	222	222	31	31	31	121	181	192
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.5
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
43 MTFR Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	34	26	30	39	46	46	36	33	33	4.7	4.7	4.7	18	27	29
46 PPL Share	34	26	30	39	46	46	36	33	33	4.7	4.7	4.7	18	27	29
47 PSE Share	19	15	17	23	27	26	20	19	19	2.7	2.7	2.7	10	16	17
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	18	14	16	21	25	25	19	18	18	2.5	2.5	2.5	9.8	15	16
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	18	14	16	21	25	25	19	18	18	2.5	2.5	2.5	9.8	15	16
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	12	9	10	14	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	10
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	18	13	11	15	18	18	13	12	12	8.5	8.5	8.5	15	14	13
4 COPD Share	5.8	4.2	3.5	4.8	6.0	5.9	4.3	4.0	4.0	2.7	2.7	2.7	4.7	4.5	4.3
5 CWPC Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
6 EWEB Share	5.3	3.9	3.2	4.4	5.0	4.9	3.6	3.3	3.3	2.3	2.3	2.3	3.9	3.8	3.7
7 FGRV Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
8 FREC Share	0.7	0.5	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.5
9 GCPD Share	277	201	166	228	286	281	207	192	192	132	132	132	228	216	208
10 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12 KOOT Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
13 LREC Share	0.2	0.1	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
14 LVE Share	1.3	0.9	0.8	1.1	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	1.0
15 MCMN Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
16 MTFR Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
17 NLEC Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
18 PGE Share	42	30	25	34	42	42	31	28	28	19	19	19	34	32	31
19 PPL Share	42	30	25	34	42	42	31	28	28	19	19	19	34	32	31
20 PSE Share	24	17	14	20	24	24	18	16	16	11	11	11	19	18	18
21 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	22	16	13	18	23	22	17	15	15	11	11	11	18	17	17
23 SLEC Share	0.2	0.1	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
24 TPU Share	22	16	13	18	23	22	17	15	15	11	11	11	18	17	17
25 UNEC Share	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26 UNKMK Share	15	11	8.7	12	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	11
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	14	11	13	17	20	20	15	14	14	2	2	2	7.9	12	13
31 COPD Share	4.7	3.7	4.3	5.6	6.5	6.4	5	4.7	4.7	0.7	0.7	0.7	2.6	3.8	4.1
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	4	3.2	3.6	4.7	5.6	5.5	4.3	4	4	0.6	0.6	0.6	2.2	3.3	3.5
34 FGRV Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	220	172	198	258	311	307	239	224	224	32	32	32	122	182	194
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.5
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
43 MTFR Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	33	26	30	39	46	45	35	33	33	4.6	4.6	4.6	18	27	29
46 PPL Share	33	26	30	39	46	45	35	33	33	4.6	4.6	4.6	18	27	29
47 PSE Share	19	15	17	22	26	26	20	19	19	2.7	2.7	2.7	10	15	16
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	18	14	16	21	25	24	19	18	18	2.5	2.5	2.5	9.7	15	16
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	18	14	16	21	25	24	19	18	18	2.5	2.5	2.5	9.7	15	16
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	12	9	10	14	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	10
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
2 Wanapum Before Enc	558	425	357	471	571	562	430	402	402	298	298	298	468	449	433
-Wanapum-															
3 AVWP Share	18	13	11	15	18	18	13	12	12	8.5	8.5	8.5	15	14	13
4 COPD Share	5.8	4.2	3.5	4.8	6.0	5.9	4.3	4.0	4.0	2.7	2.7	2.7	4.7	4.5	4.3
5 CWPC Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
6 EWEB Share	4.8	3.5	2.9	4.0	5.0	4.9	3.6	3.3	3.3	2.3	2.3	2.3	3.9	3.8	3.6
7 FGRV Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
8 FREC Share	0.7	0.5	0.4	0.6	0.8	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.6	0.6	0.5
9 GCPD Share	279	202	167	229	290	285	210	194	194	133	133	133	230	219	210
10 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
11 KITT Share	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.4	0.4	0.4
12 KOOT Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
13 LREC Share	0.2	0.1	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
14 LVE Share	1.3	0.9	0.8	1.1	1.3	1.3	1.0	0.9	0.9	0.6	0.6	0.6	1	1.0	1.0
15 MCMN Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
16 MTFR Share	1.9	1.4	1.2	1.6	2.0	2.0	1.4	1.3	1.3	0.9	0.9	0.9	1.6	1.5	1.4
17 NLEC Share	1.0	0.7	0.6	0.8	1.0	1.0	0.7	0.7	0.7	0.5	0.5	0.5	0.8	0.8	0.7
18 PGE Share	41	30	25	34	41	41	30	28	28	19	19	19	33	31	30
19 PPL Share	41	30	25	34	41	41	30	28	28	19	19	19	33	31	30
20 PSE Share	24	17	14	20	24	23	17	16	16	11	11	11	19	18	17
21 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1
22 SCL Share	22	16	13	18	22	22	16	15	15	10	10	10	18	17	16
23 SLEC Share	0.2	0.1	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
24 TPU Share	22	16	13	18	22	22	16	15	15	10	10	10	18	17	16
25 UNEC Share	0.4	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3
26 UNKMKT Share	15	11	8.7	12	15	15	11	10.0	10.0	6.9	6.9	6.9	12	11	11
27 Wanapum After Enc	484	351	290	398	497	489	360	333	333	229	229	229	395	375	362
-Priest Rapids-															
28 Priest Rapids	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
29 Priest Rapids Before Enc	401	318	362	468	557	550	431	404	404	70	70	70	229	334	353
-Priest Rapids-															
30 AVWP Share	14	11	13	17	20	19	15	14	14	2	2	2	7.7	12	12
31 COPD Share	4.7	3.6	4.2	5.5	6.5	6.4	5.0	4.7	4.7	0.7	0.7	0.7	2.5	3.8	4.1
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.1	0.1	0.1	0.2	0.3	0.4
33 EWEB Share	4.0	3.1	3.6	4.7	5.6	5.5	4.3	4	4	0.6	0.6	0.6	2.2	3.3	3.5
34 FGRV Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
35 FREC Share	0.6	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.1	0.1	0.1	0.3	0.5	0.5
36 GCPD Share	222	174	200	260	314	310	242	226	226	32	32	32	123	184	196
37 ICLP Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.6	0.5	0.5	0.1	0.1	0.1	0.3	0.4	0.5
39 KOOT Share	0.7	0.6	0.7	0.9	1	1	0.8	0.7	0.7	0.1	0.1	0.1	0.4	0.6	0.6
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1
41 LVE Share	1.0	0.8	0.9	1.1	1.4	1.3	1	1.0	1.0	0.1	0.1	0.1	0.5	0.8	0.8
42 MCMN Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
43 MTFR Share	1.6	1.3	1.5	1.9	2.3	2.2	1.7	1.6	1.6	0.2	0.2	0.2	0.9	1.3	1.4
44 NLEC Share	0.7	0.5	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.1	0.1	0.1	0.4	0.5	0.6
45 PGE Share	33	25	29	38	45	44	35	32	32	4.6	4.6	4.6	18	26	28
46 PPL Share	33	25	29	38	45	44	35	32	32	4.6	4.6	4.6	18	26	28
47 PSE Share	19	15	17	22	26	26	20	19	19	2.6	2.6	2.6	10	15	16
48 RREC Share	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0	0	0	0.1	0.1	0.1
49 SCL Share	18	14	16	21	24	24	19	18	18	2.5	2.5	2.5	9.6	14	15
50 SLEC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>51 TPU Share</i>	18	14	16	21	24	24	19	18	18	2.5	2.5	2.5	9.6	14	15
<i>52 UNEC Share</i>	0.3	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0	0	0	0.2	0.2	0.2
<i>53 UNKMKT Share</i>	12	9	10	14	16	16	12	12	12	1.6	1.6	1.6	6.4	9.5	10
54 Priest Rapids After Enc	385	301	347	452	541	533	416	389	389	55	55	55	212	317	337

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-21
Swift #1 and Swift #2 Allocation
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
2 Swift 1 Before Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	19	19	6.7	12	40	3.6	5	40	12	16
4 PPL Share	23	20	18	25	97	55	53	19	33	114	10	14	113	35	46
5 Swift 1 After Enc	31	27	24	34	131	74	72	26	45	154	14	19	152	47	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	11	6.9	8.2	3.2	5.3	18	1.5	1.8	12	3.5	5.7
9 PPL Share	6.4	5.4	5	7.3	31	20	23	9.1	15	51	4.4	5.2	34	9.9	16
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	42	27	32	12	20	69	5.9	7	46	13	22

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-22
BPA Power Sales Contracts
Monthly OY 2006 – 2015
Average Energy 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
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	117	117	106	108	125	135	138	132	122	108	108	106	108	117	118
2 Total Federal Entities	117	117	106	108	125	135	138	132	122	108	108	106	108	117	118
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272	271
6 Total Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272	271
-Generating Public Entities-															
7 Generating Public Entities	1710	1710	1816	1850	2182	2442	2576	2493	2370	2180	2174	2029	1816	1712	2098
8 Total Generating Public Entities	1710	1710	1816	1850	2182	2442	2576	2493	2370	2180	2174	2029	1816	1712	2098
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1395	1074	833	1003	1107	1114	911	867	945	890	847	1001	1172	1195	1021
10 Total Generating Public Entities (Slice)	1395	1074	833	1003	1107	1114	911	867	945	890	847	1001	1172	1195	1021
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2645	2645	2417	2478	2778	3113	3174	3077	2745	2584	2577	2570	2642	2764	2749
12 Total Non-Generating Public Entities	2645	2645	2417	2478	2778	3113	3174	3077	2745	2584	2577	2570	2642	2764	2749
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	838	645	500	602	665	669	547	521	567	534	509	601	704	718	613
14 Total Non-Generating Public Entities (Slice)	838	645	500	602	665	669	547	521	567	534	509	601	704	718	613
-Investor-Owned Entities-															
15 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
16 Total Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	117	117	106	108	125	135	138	132	122	108	108	106	108	117	118
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272	271
22 Generating Public Entities	3105	2784	2649	2853	3288	3556	3488	3360	3315	3069	3021	3029	2988	2907	3119
23 Non-Generating Public Entities	3483	3290	2917	3080	3443	3782	3722	3597	3312	3118	3086	3171	3345	3482	3362
24 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382	382
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7666	7118	6490	6823	7510	8128	8001	7744	7423	7197	7179	7223	7395	7491	7401

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	118	118	106	114	132	144	146	141	129	115	115	112	114	123	124
2 Total Federal Entities	118	118	106	114	132	144	146	141	129	115	115	112	114	123	124
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0	45
6 Total Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0	45
-Generating Public Entities-															
7 Generating Public Entities	1784	1784	1876	2237	2623	2913	2941	2883	2684	2343	2336	2156	1895	1866	2350
8 Total Generating Public Entities	1784	1784	1876	2237	2623	2913	2941	2883	2684	2343	2336	2156	1895	1866	2350
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1404	1083	842	1019	1124	1131	927	883	961	906	863	928	1075	1213	1019
10 Total Generating Public Entities (Slice)	1404	1083	842	1019	1124	1131	927	883	961	906	863	928	1075	1213	1019
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2677	2677	2455	2627	2960	3254	3349	3245	2908	2743	2736	2751	2864	2986	2901
12 Total Non-Generating Public Entities	2677	2677	2455	2627	2960	3254	3349	3245	2908	2743	2736	2751	2864	2986	2901
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	843	650	506	612	675	679	557	530	577	544	518	558	645	728	612
14 Total Non-Generating Public Entities (Slice)	843	650	506	612	675	679	557	530	577	544	518	558	645	728	612
-Investor-Owned Entities-															
15 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
16 Total Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	118	118	106	114	132	144	146	141	129	115	115	112	114	123	124
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0	45
22 Generating Public Entities	3189	2867	2719	3256	3747	4044	3869	3765	3645	3249	3199	3084	2970	3078	3369
23 Non-Generating Public Entities	3520	3327	2961	3239	3635	3934	3905	3775	3485	3287	3254	3308	3510	3714	3513
24 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7794	7245	6611	6738	7514	8122	7920	7682	7279	6898	6879	6767	6893	7247	7265

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	124	124	112	120	139	151	154	148	136	120	120	117	120	129	131
2 Total Federal Entities	124	124	112	120	139	151	154	148	136	120	120	117	120	129	131
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	1970	1970	2177	2251	2640	2931	2959	2884	2700	2357	2351	2170	1909	1879	2402
8 Total Generating Public Entities	1970	1970	2177	2251	2640	2931	2959	2884	2700	2357	2351	2170	1909	1879	2402
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1419	1095	853	1024	1131	1138	932	887	965	911	867	1020	1194	1220	1043
10 Total Generating Public Entities (Slice)	1419	1095	853	1024	1131	1138	932	887	965	911	867	1020	1194	1220	1043
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2905	2905	2617	2656	2993	3291	3387	3279	2941	2773	2766	2781	2896	3019	2961
12 Total Non-Generating Public Entities	2905	2905	2617	2656	2993	3291	3387	3279	2941	2773	2766	2781	2896	3019	2961
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	852	658	512	615	679	683	560	533	579	547	521	612	717	732	626
14 Total Non-Generating Public Entities (Slice)	852	658	512	615	679	683	560	533	579	547	521	612	717	732	626
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	124	124	112	120	139	151	154	148	136	120	120	117	120	129	131
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3389	3066	3031	3276	3770	4069	3891	3771	3665	3268	3218	3190	3103	3099	3445
23 Non-Generating Public Entities	3757	3563	3129	3271	3672	3975	3946	3812	3520	3320	3287	3394	3613	3751	3587
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7584	7032	6443	6796	7582	8195	7992	7731	7341	6956	6936	6964	7135	7311	7312

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	130	130	118	131	152	165	167	161	147	131	130	127	130	140	142
2 Total Federal Entities	130	130	118	131	152	165	167	161	147	131	130	127	130	140	142
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	1984	1984	2191	2263	2653	2945	2974	2891	2713	2369	2363	2182	1920	1890	2414
8 Total Generating Public Entities	1984	1984	2191	2263	2653	2945	2974	2891	2713	2369	2363	2182	1920	1890	2414
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1425	1100	857	1029	1136	1143	937	892	969	915	871	935	1084	1225	1030
10 Total Generating Public Entities (Slice)	1425	1100	857	1029	1136	1143	937	892	969	915	871	935	1084	1225	1030
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2936	2936	2645	2682	3023	3324	3421	3288	2970	2801	2794	2808	2925	3048	2989
12 Total Non-Generating Public Entities	2936	2936	2645	2682	3023	3324	3421	3288	2970	2801	2794	2808	2925	3048	2989
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	855	661	515	618	682	686	563	535	582	550	523	562	651	736	619
14 Total Non-Generating Public Entities (Slice)	855	661	515	618	682	686	563	535	582	550	523	562	651	736	619
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	130	130	118	131	152	165	167	161	147	131	130	127	130	140	142
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3409	3084	3049	3292	3789	4088	3910	3783	3683	3285	3234	3117	3004	3116	3445
23 Non-Generating Public Entities	3792	3597	3160	3300	3705	4010	3983	3823	3552	3351	3317	3370	3576	3784	3608
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7644	7091	6498	6852	7645	8263	8061	7768	7402	7014	6992	6877	7009	7371	7343

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	141	141	127	132	153	166	169	163	149	132	132	128	131	141	144
2 Total Federal Entities	141	141	127	132	153	166	169	163	149	132	132	128	131	141	144
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	1995	1995	2202	2277	2668	2961	2990	2928	2729	2383	2376	2195	1932	1903	2430
8 Total Generating Public Entities	1995	1995	2202	2277	2668	2961	2990	2928	2729	2383	2376	2195	1932	1903	2430
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1418	1093	850	1022	1129	1136	929	884	962	910	865	1017	1193	1220	1041
10 Total Generating Public Entities (Slice)	1418	1093	850	1022	1129	1136	929	884	962	910	865	1017	1193	1220	1041
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2965	2965	2672	2711	3056	3361	3464	3355	3005	2834	2827	2841	2958	3083	3025
12 Total Non-Generating Public Entities	2965	2965	2672	2711	3056	3361	3464	3355	3005	2834	2827	2841	2958	3083	3025
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	852	657	510	613	678	682	558	531	578	546	519	611	716	733	625
14 Total Non-Generating Public Entities (Slice)	852	657	510	613	678	682	558	531	578	546	519	611	716	733	625
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	141	141	127	132	153	166	169	163	149	132	132	128	131	141	144
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3413	3088	3052	3298	3797	4097	3920	3812	3691	3293	3241	3213	3125	3123	3470
23 Non-Generating Public Entities	3817	3622	3182	3324	3733	4043	4022	3886	3582	3380	3346	3452	3674	3815	3650
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7684	7130	6533	6883	7683	8306	8111	7862	7442	7052	7030	7056	7229	7411	7414

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	142	142	129	133	154	168	170	164	150	133	133	129	132	143	146
2 Total Federal Entities	142	142	129	133	154	168	170	164	150	133	133	129	132	143	146
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	2007	2009	2215	2290	2683	2977	3007	2943	2744	2397	2391	2209	1945	1915	2444
8 Total Generating Public Entities	2007	2009	2215	2290	2683	2977	3007	2943	2744	2397	2391	2209	1945	1915	2444
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1424	1099	854	1026	1134	1141	934	889	967	913	868	932	1082	1224	1028
10 Total Generating Public Entities (Slice)	1424	1099	854	1026	1134	1141	934	889	967	913	868	932	1082	1224	1028
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	2999	3195	2703	2743	3092	3400	3500	3390	3035	2862	2855	2870	2987	3113	3066
12 Total Non-Generating Public Entities	2999	3195	2703	2743	3092	3400	3500	3390	3035	2862	2855	2870	2987	3113	3066
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	855	660	513	616	681	685	561	534	580	548	521	559	650	735	617
14 Total Non-Generating Public Entities (Slice)	855	660	513	616	681	685	561	534	580	548	521	559	650	735	617
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	142	142	129	133	154	168	170	164	150	133	133	129	132	143	146
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3431	3107	3069	3316	3817	4118	3941	3832	3710	3310	3258	3141	3026	3140	3472
23 Non-Generating Public Entities	3855	3855	3216	3359	3773	4086	4061	3924	3616	3411	3376	3429	3637	3849	3683
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7741	7384	6585	6938	7744	8372	8173	7921	7496	7102	7078	6962	7094	7463	7450

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	144	144	130	135	156	169	172	164	151	134	134	130	133	144	147
2 Total Federal Entities	144	144	130	135	156	169	172	164	151	134	134	130	133	144	147
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	2019	2019	2228	2283	2671	2957	2994	2897	2734	2396	2389	2207	1949	1922	2438
8 Total Generating Public Entities	2019	2019	2228	2283	2671	2957	2994	2897	2734	2396	2389	2207	1949	1922	2438
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1428	1102	857	1029	1137	1145	937	891	970	916	870	1022	1199	1228	1048
10 Total Generating Public Entities (Slice)	1428	1102	857	1029	1137	1145	937	891	970	916	870	1022	1199	1228	1048
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	3024	3024	2727	2769	3121	3437	3531	3416	3062	2886	2879	2899	3029	3161	3088
12 Total Non-Generating Public Entities	3024	3024	2727	2769	3121	3437	3531	3416	3062	2886	2879	2899	3029	3161	3088
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	857	662	515	618	683	687	563	535	582	550	523	614	720	737	629
14 Total Non-Generating Public Entities (Slice)	857	662	515	618	683	687	563	535	582	550	523	614	720	737	629
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	144	144	130	135	156	169	172	164	151	134	134	130	133	144	147
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3446	3120	3085	3312	3808	4102	3931	3788	3703	3312	3259	3230	3148	3150	3485
23 Non-Generating Public Entities	3882	3686	3241	3387	3804	4124	4093	3951	3644	3436	3401	3513	3749	3898	3717
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7785	7230	6627	6962	7768	8395	8197	7904	7519	7130	7105	7136	7329	7524	7499

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	145	145	131	135	156	169	174	167	153	136	135	131	134	146	148
2 Total Federal Entities	145	145	131	135	156	169	174	167	153	136	135	131	134	146	148
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	2020	2020	2223	2292	2681	2969	3008	2967	2746	2407	2400	2218	1960	1933	2452
8 Total Generating Public Entities	2020	2020	2223	2292	2681	2969	3008	2967	2746	2407	2400	2218	1960	1933	2452
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1432	1105	860	1032	1140	1148	940	894	973	919	873	937	1088	1232	1034
10 Total Generating Public Entities (Slice)	1432	1105	860	1032	1140	1148	940	894	973	919	873	937	1088	1232	1034
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	3072	3072	2757	2779	3134	3450	3564	3455	3090	2913	2905	2925	3056	3190	3115
12 Total Non-Generating Public Entities	3072	3072	2757	2779	3134	3450	3564	3455	3090	2913	2905	2925	3056	3190	3115
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	860	664	516	620	685	689	565	537	584	552	524	562	653	740	621
14 Total Non-Generating Public Entities (Slice)	860	664	516	620	685	689	565	537	584	552	524	562	653	740	621
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	145	145	131	135	156	169	174	167	153	136	135	131	134	146	148
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3451	3125	3082	3324	3822	4117	3948	3862	3719	3326	3274	3155	3048	3165	3486
23 Non-Generating Public Entities	3932	3736	3273	3399	3819	4140	4128	3992	3674	3465	3429	3488	3710	3929	3736
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7842	7285	6658	6987	7797	8426	8251	8021	7566	7175	7149	7038	7191	7572	7519

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	147	147	132	136	158	171	175	169	154	137	136	133	136	148	150
2 Total Federal Entities	147	147	132	136	158	171	175	169	154	137	136	133	136	148	150
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	2030	2030	2234	2306	2697	2984	3023	2953	2759	2420	2413	2230	1971	1945	2462
8 Total Generating Public Entities	2030	2030	2234	2306	2697	2984	3023	2953	2759	2420	2413	2230	1971	1945	2462
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1435	1108	862	1035	1143	1151	943	897	976	922	876	1028	1205	1235	1054
10 Total Generating Public Entities (Slice)	1435	1108	862	1035	1143	1151	943	897	976	922	876	1028	1205	1235	1054
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	3100	3100	2782	2808	3166	3486	3599	3463	3122	2941	2934	2954	3085	3220	3144
12 Total Non-Generating Public Entities	3100	3100	2782	2808	3166	3486	3599	3463	3122	2941	2934	2954	3085	3220	3144
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	862	666	518	622	687	691	566	539	586	554	526	617	724	742	633
14 Total Non-Generating Public Entities (Slice)	862	666	518	622	687	691	566	539	586	554	526	617	724	742	633
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	147	147	132	136	158	171	175	169	154	137	136	133	136	148	150
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3465	3139	3096	3341	3840	4135	3966	3850	3735	3342	3289	3258	3176	3181	3516
23 Non-Generating Public Entities	3962	3766	3299	3430	3852	4177	4165	4002	3708	3495	3459	3571	3809	3962	3776
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7887	7331	6700	7036	7851	8483	8307	8021	7617	7222	7195	7225	7420	7622	7592

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal Entities-															
1 Federal Entities	148	148	134	138	160	172	177	170	155	138	137	134	137	149	151
2 Total Federal Entities	148	148	134	138	160	172	177	170	155	138	137	134	137	149	151
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
4 Total U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
-Direct Service Industry-															
5 Direct Service Industry	0	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	0
-Generating Public Entities-															
7 Generating Public Entities	2043	2043	2247	2318	2710	2999	3039	2996	2773	2433	2427	2242	1984	1958	2478
8 Total Generating Public Entities	2043	2043	2247	2318	2710	2999	3039	2996	2773	2433	2427	2242	1984	1958	2478
-Generating Public Entities (Slice)-															
9 Generating Public Entities (Slice)	1437	1110	864	1037	1145	1153	945	899	977	924	877	941	1092	1238	1039
10 Total Generating Public Entities (Slice)	1437	1110	864	1037	1145	1153	945	899	977	924	877	941	1092	1238	1039
-Non-Generating Public Entities-															
11 Non-Generating Public Entities	3130	3130	2809	2836	3198	3521	3636	3528	3153	2970	2963	2983	3115	3252	3177
12 Total Non-Generating Public Entities	3130	3130	2809	2836	3198	3521	3636	3528	3153	2970	2963	2983	3115	3252	3177
-Non-Generating Public Entities (Slice)-															
13 Non-Generating Public Entities (Slice)	863	667	519	623	688	692	567	540	587	555	527	565	656	743	624
14 Total Non-Generating Public Entities (Slice)	863	667	519	623	688	692	567	540	587	555	527	565	656	743	624
-Investor-Owned Entities-															
15 Investor-Owned Entities	0	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	0
-Other Entities-															
17 Other PNW Entities	0	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	0
-Power Sales Contracts-															
19 Federal Entities	148	148	134	138	160	172	177	170	155	138	137	134	137	149	151
20 U.S. Bureau of Reclamation	314	280	171	129	0.1	0.1	0.1	0.9	20	248	311	263	299	331	149
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3480	3153	3111	3355	3855	4152	3984	3894	3750	3358	3304	3183	3077	3196	3517
23 Non-Generating Public Entities	3993	3796	3328	3459	3886	4214	4203	4068	3740	3525	3490	3548	3771	3996	3801
24 Investor-Owned Entities	0	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	0
26 Total Power Sales Contracts	7935	7378	6744	7082	7901	8538	8363	8133	7665	7268	7242	7128	7284	7672	7618

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-23
Non-Utility Generating Resources By Owner
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	80	78	55	72	96	100	102	94	87	110	109	103	91	72	88
2 Total Federal Entities	80	78	55	72	96	100	102	94	87	110	109	103	91	72	88
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	9.1	9.1	9.0	9.7	11	11	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	6.8
6 Total Non-Generating Public Entities	9.1	9.1	9.0	9.7	11	11	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	6.8
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	921	922	911	882	903	893	869	889	902	935	934	622	996	969	891
8 Total Investor-owned Entities	921	922	911	882	903	893	869	889	902	935	934	622	996	969	891
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	80	78	55	72	96	100	102	94	87	110	109	103	91	72	88
12 Public Entities	326	326	242	186	162	155	158	151	161	286	286	378	395	356	246
13 Investor-Owned Entities	921	922	911	882	903	893	869	889	902	935	934	622	996	969	891
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1359	1358	1240	1172	1193	1180	1161	1166	1183	1362	1362	1134	1514	1429	1258

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	56	56	49	62	72	73	75	71	65	68	68	64	67	56	65
2 Total Federal Entities	56	56	49	62	72	73	75	71	65	68	68	64	67	56	65
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
6 Total Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	942	942	931	901	914	903	879	899	913	944	943	831	1014	979	921
8 Total Investor-owned Entities	942	942	931	901	914	903	879	899	913	944	943	831	1014	979	921
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	56	56	49	62	72	73	75	71	65	68	68	64	67	56	65
12 Public Entities	320	320	236	181	156	149	158	151	161	286	286	378	395	356	244
13 Investor-Owned Entities	942	942	931	901	914	903	879	899	913	944	943	831	1014	979	921
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1350	1350	1248	1176	1175	1157	1145	1153	1171	1330	1329	1305	1508	1423	1262

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	56	56	49	112	122	122	125	121	114	117	117	114	117	106	106
2 Total Federal Entities	56	56	49	112	122	122	125	121	114	117	117	114	117	106	106
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
6 Total Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	942	942	931	902	914	903	880	900	913	944	943	831	1006	977	920
8 Total Investor-owned Entities	942	942	931	902	914	903	880	900	913	944	943	831	1006	977	920
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	56	56	49	112	122	122	125	121	114	117	117	114	117	106	106
12 Public Entities	320	320	236	181	156	149	158	151	161	286	286	378	395	356	244
13 Investor-Owned Entities	942	942	931	902	914	903	880	900	913	944	943	831	1006	977	920
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1350	1350	1249	1227	1225	1207	1195	1204	1222	1380	1379	1355	1550	1472	1303

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
6 Total Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	941	943	931	902	915	904	880	900	913	945	945	832	1006	978	921
8 Total Investor-owned Entities	941	943	931	902	915	904	880	900	913	945	945	832	1006	978	921
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	158	151	161	286	286	378	395	356	244
13 Investor-Owned Entities	941	943	931	902	915	904	880	900	913	945	945	832	1006	978	921
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1399	1401	1298	1227	1225	1208	1196	1204	1222	1380	1380	1356	1550	1472	1311

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.3
6 Total Non-Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.3
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	941	942	930	901	915	904	881	901	914	945	945	832	1014	979	921
8 Total Investor-owned Entities	941	942	930	901	915	904	881	901	914	945	945	832	1014	979	921
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	244
13 Investor-Owned Entities	941	942	930	901	915	904	881	901	914	945	945	832	1014	979	921
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1400	1400	1297	1226	1226	1208	1196	1204	1222	1381	1380	1356	1558	1473	1312

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
6 Total Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	942	942	930	902	922	910	887	909	922	952	951	833	1007	979	925
8 Total Investor-owned Entities	942	942	930	902	922	910	887	909	922	952	951	833	1007	979	925
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	243
13 Investor-Owned Entities	942	942	930	902	922	910	887	909	922	952	951	833	1007	979	925
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1400	1400	1297	1226	1232	1213	1202	1212	1230	1387	1386	1356	1551	1473	1315

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
6 Total Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	942	942	931	902	922	910	887	908	920	951	952	833	1007	979	925
8 Total Investor-owned Entities	942	942	931	902	922	910	887	908	920	951	952	833	1007	979	925
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	243
13 Investor-Owned Entities	942	942	931	902	922	910	887	908	920	951	952	833	1007	979	925
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1400	1400	1298	1227	1233	1213	1203	1212	1228	1387	1387	1356	1551	1473	1315

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
6 Total Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	943	943	932	902	922	911	888	909	921	952	951	832	1015	980	925
8 Total Investor-owned Entities	943	943	932	902	922	911	888	909	921	952	951	832	1015	980	925
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	243
13 Investor-Owned Entities	943	943	932	902	922	911	888	909	921	952	951	832	1015	980	925
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1401	1401	1298	1227	1233	1215	1203	1212	1229	1387	1387	1355	1558	1474	1316

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
6 Total Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	943	944	932	903	923	912	889	909	922	953	952	832	1008	979	925
8 Total Investor-owned Entities	943	944	932	903	923	912	889	909	922	953	952	832	1008	979	925
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	243
13 Investor-Owned Entities	943	944	932	903	923	912	889	909	922	953	952	832	1008	979	925
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1401	1401	1299	1228	1234	1215	1204	1213	1230	1388	1387	1356	1551	1473	1316

Table A-23: Regional Non Utility Generating Resources By Owner
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
2 Total Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
<i>-Generating Public Entities-</i>															
3 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
4 Total Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
<i>-Non-Generating Public Entities-</i>															
5 Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
6 Total Non-Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
<i>-Investor-Owned Entities-</i>															
7 Investor-Owned Entities	941	943	932	903	923	912	889	910	922	953	952	833	1008	979	926
8 Total Investor-owned Entities	941	943	932	903	923	912	889	910	922	953	952	833	1008	979	926
<i>-Other Entities-</i>															
9 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
10 Total Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
<i>-Total Non-Utility Generating Resources-</i>															
11 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
12 Public Entities	320	320	236	181	156	149	157	150	161	285	285	377	394	355	243
13 Investor-Owned Entities	941	943	932	903	923	912	889	910	922	953	952	833	1008	979	926
14 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
15 Total Non-Utility Generation	1399	1400	1299	1227	1234	1215	1204	1213	1230	1388	1387	1357	1551	1473	1316

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-24
Regional Non-Utility Generating Resources By Project
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Elwah Hydro (BPA)	8.2	7.7	2.3	3.6	9.5	11	12	9.1	8.8	17	17	9.0	8.5	5.4	8.6
3 Glines Hydro (BPA)	16	15	4.1	6.7	14	16	15	14	14	25	25	30	16	11	15
4 Federal -Total NUG: Hydro	27	25	9.0	13	26	30	29	26	25	45	45	41	27	19	26
-NUG: Renewables-															
5 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
7 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
8 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
9 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
10 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
11 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
12 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Federal - Total NUG: Renewables	53	53	46	59	70	70	73	68	62	65	65	61	64	54	62
Generating Public Entities															
-NUG: Hydro-															
14 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
16 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
17 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
20 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
21 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
22 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
23 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
25 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
26 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
27 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
28 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
29 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
30 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
31 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
32 Woods Creek (SHPD)	0.1	0.1	0.1	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 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
34 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
35 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
36 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
37 Metro Westpoint (SCL)	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	1.2
38 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	33
39 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
40 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
41 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
42 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
43 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
44 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
45 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
46 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
47 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
48 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
49 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
50 Buffalo Hydro (FRECC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
51 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Lillwaup Falls Generating Co. (MCPD1)	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	0.6
54 Mill Creek (OR) (OTEC)	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	0.3
55 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 NGP - Total NUG: Hydro	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	1.2
-NUG: Small Thermal & Misc.-															
57 Methane Energy Agricultural D. (TKPD)	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	0.8
58 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Co-Generation-															
59 Cogen Co (OTEC)	5.6	5.6	5.6	5.6	5.6	5.6	0	0	0	0	0	0	0	0	2.3
60 NGP - Total NUG: Co-Generation	5.6	5.6	5.6	5.6	5.6	5.6	0	0	0	0	0	0	0	0	2.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-NUG: Renewables-															
61 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
63 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
64 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
65 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
66 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5
Investor-Owned Entities															
-NUG: Hydro-															
68 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
69 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
71 Bell Mountain (UPL)	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	0.1
72 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1
73 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
74 Birch Creek (UPL)	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	1.2
75 Black Canyon #3 (IPC)	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	0.1
76 Black Creek (AVWP)	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	3.7	2.8
77 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
78 Box Canyon (IPC)	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	0.4
79 Briggs Creek (IPC)	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	0.6
80 Broadwater Dam (NWE)	1.1	1.1	1.5	1.8	1.4	1.2	1.1	1.2	1.2	1.8	1.8	2.6	2.6	1.9	1.6
81 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
82 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
84 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1
86 Cedar Draw (IPC)	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	0.7
87 Central OR Irrigation District (PPL)	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	2.1
88 Clear Springs Trout (IPC)	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	0.4
89 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
90 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
93 Curry Cattle Co. (IPC)	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	0.1
94 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Derr Creek (AVWP)	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	0.1
98 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
99 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
100 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
102 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
103 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
104 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
105 Falls River (IPC)	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	5.9
106 Farmers Irrig. (PPL)	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	2.4
107 Faulkner Ranch (IPC)	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	0.6
108 Fisheries Development Co (IPC)	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	0.3
109 Galesville Dam (PPL)	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	0.3
110 Geobon 2 (IPC)	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	0.5
111 Georgetown Power (UPL)	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	0.2
112 Hailley Cspp (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
114 Hazelton B (IPC)	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	3
115 Horseshoe Bend (IPC)	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	6.6
116 Hutchinson Creek (PSE)	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	0.7
117 Ingram Warm Springs (UPL)	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	0.4
118 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
119 Jim Knight (IPC)	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	0.2
120 John Day Creek (AVWP)	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	0.2
121 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7
122 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
123 Koyle (IPC)	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	0.7
124 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
126 Lake Oswego (PGE)	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	0.4
127 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7
128 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
131 Littlewood/Arkoosh (IPC)	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	0.5
132 Lowline #2 (IPC)	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	1.8
133 Lowline Canal (IPC)	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	5.3
134 Magic Reservoir (IPC)	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	3.5
135 Malad River (IPC)	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	0.4
136 Marcos Ranches (IPC)	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	0.9
137 Marsh Valley (UPL)	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	0.4
138 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
139 Middlefork Irrig. (PPL)	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	2.2
140 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
141 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
142 Mink Creek (UPL)	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	0.9
143 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
144 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146 Mud Creek/S&S (IPC)	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	0.4
147 Mud Creek/White (IPC)	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	0.1
148 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
149 Nicholson Sunnybar (UPL)	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	0.2
150 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
151 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Opal Springs (PPL)	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	2.9
154 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
155 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
157 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Phillipsburg (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159 Pigeon Cove (IPC)	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	1.2
160 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
161 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
163 Preston City (UPL)	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	0.4
164 Pristine Springs (IPC)	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	0.1
165 Pristine Springs #3 (IPC)	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	0.2
166 Reynolds Irrigation (IPC)	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	0.2
167 Rim View (IPC)	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	0.2
168 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
169 Rock Creek #2 (IPC)	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	1.6
170 Sagebrush (IPC)	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	0.3
171 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172 Schaffner (IPC)	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	0.3
173 Sheep Creek (AVWP)	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	0.7
174 Shingle Creek (IPC)	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	0.1
175 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
176 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
177 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
178 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
179 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
180 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.5	0.5	0.4	0.3
181 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
182 Stauffer Dry Creek (UPL)	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	0.8
183 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1
184 Sunshine Power #2 (IPC)	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	0.1
185 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
186 Trout Co. (IPC)	0.1	0.1	0.1	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 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
188 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
189 Walla Walla (PPL)	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	1.5
190 Water Street / Santiam (PPL)	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	0.1
191 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
192 White James (PPL)	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	0.2
193 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
194 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
195 Wisconsin Creek (NWE)	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
196 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
197 IOU - Total NUG: Hydro	162	162	137	113	119	110	99	106	127	174	174	217	228	201	149
-NUG: Small Thermal & Misc.-															
198 Marion Solid Waste (PGE)	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	9.3	9.3
199 Montana One (NWE)	9.2	9.4	8.7	8.8	6.6	7.4	7.5	7.2	6.2	6	5.9	8.5	8.5	8.2	7.7
200 Pocatello Waste (IPC)	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	0.1
201 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
203 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	31	32	32	32	31	31	31	33	33	33	33
-NUG: Combustion Turbines -															
204 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
205 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
206 Tenaska Gas Cogen (PSE)	235	235	235	235	235	235	235	235	235	235	235	0	235	235	215
207 IOU - Total NUG: Combustion Turbines	373	373	373	373	373	373	373	373	373	373	373	70	373	373	348
-NUG: Co-Generation-															
208 Billings Generation (NWE)	17	17	16	10	12	14	14	13	11	7	6.9	16	16	15	13
209 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
210 Boise Cascade Medford (PPL)	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	8.5
211 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
212 DR Johnson - Co-Gen II (PPL)	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	7.2
213 Magic Valley (IPC)	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	9.5
214 Magic West (IPC)	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	9.5
215 March Point #1 (PSE)	74	74	74	74	74	74	74	74	74	74	74	30	74	74	70
216 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
217 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
218 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
219 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
220 Tamarack (IPC)	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	4.1
221 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	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	3.3
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
225 IOU - Total NUG: Co-Generation	343	343	358	350	354	350	336	350	347	334	334	280	341	343	340
-NUG: Renewables-															
226 Emmett Biomass Project (IPC)	0	0	0	0	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	7.4
227 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
228 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Josef Stauer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
233 Staleline Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
234 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 IOU - Total NUG: Renewables	9.3	9.3	9.2	12	26	28	29	27	24	23	23	21	21	19	21
Other Entities															
-NUG: Co-Generation-															
236 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
237 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
238 Staleline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
240 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
241 Federal Entities	80	78	55	72	96	100	102	94	87	110	109	103	91	72	88
242 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
243 Non Generating Public Entities	9.1	9.1	9.0	9.7	11	11	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	6.8
244 Investor-Owned Entities	921	922	911	882	903	893	869	889	902	935	934	622	996	969	891
245 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
246 Total Non-Utility Generation	1359	1358	1240	1172	1193	1180	1161	1166	1183	1362	1362	1134	1514	1429	1258

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	53	53	46	59	70	70	73	68	62	65	65	61	64	54	62
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eitopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eitopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	33
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivaup Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	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	0.3
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	1.2
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5
Investor-Owned Entities															
-NUG: Hydro-															
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
67 Bell Mountain (UPL)	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	0.1
68 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
69 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
70 Birch Creek (UPL)	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	1.2
71 Black Canyon #3 (IPC)	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	0.1
72 Black Creek (AVWP)	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	2.9
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
74 Box Canyon (IPC)	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	0.4
75 Briggs Creek (IPC)	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	0.6
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.8	1.4	1.2	1.1	1.2	1.2	1.8	1.8	3.1	3.3	1.9	1.7
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1
82 Cedar Draw (IPC)	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	0.7
83 Central OR Irrigation District (PPL)	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	2.1
84 Clear Springs Trout (IPC)	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	0.4
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
89 Curry Cattle Co. (IPC)	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	0.1
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	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	0.1
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
101 Falls River (IPC)	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	5.9
102 Farmers Irrig. (PPL)	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	2.4
103 Faulkner Ranch (IPC)	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	0.6
104 Fisheries Development Co (IPC)	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	0.3
105 Galesville Dam (PPL)	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	0.3
106 Geobon 2 (IPC)	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	0.5
107 Georgetown Power (UPL)	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	0.2
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
110 Hazelton B (IPC)	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	3
111 Horseshoe Bend (IPC)	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	6.6
112 Hutchinson Creek (PSE)	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	0.7
113 Ingram Warm Springs (UPL)	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	0.4
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
115 Jim Knight (IPC)	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	0.2
116 John Day Creek (AVWP)	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	0.2
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
119 Koyle (IPC)	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	0.7
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
122 Lake Oswego (PGE)	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	0.4
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7
124 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
127 Littlewood/Arkoosh (IPC)	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	0.5
128 Lowline #2 (IPC)	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	1.8
129 Lowline Canal (IPC)	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	5.3
130 Magic Reservoir (IPC)	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	3.5
131 Malad River (IPC)	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	0.4
132 Marcos Ranches (IPC)	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	0.9
133 Marsh Valley (UPL)	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	0.4
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
135 Middlefork Irrig. (PPL)	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	2.2
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
138 Mink Creek (UPL)	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	0.9
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Mud Creek/S&S (IPC)	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	

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.6	0.6	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	137	113	121	110	99	106	128	174	173	217	229	201	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.1	9.3	8.6	8.7	6.5	7.3	7.6	7.3	6.3	6.1	6	10	11	8.3	8.1
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	33	34	31	32	32	32	31	31	31	35	36	33	33
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	17	16	10	12	13	14	13	12	7.1	7.0	19	20	15	14
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	348	363	355	358	355	341	355	352	339	339	308	351	348	348
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalaine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalaine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	56	56	49	62	72	73	75	71	65	68	68	64	67	56	65
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
240 Investor-Owned Entities	942	942	931	901	914	903	879	899	913	944	943	831	1014	979	921
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1350	1350	1248	1176	1175	1157	1145	1153	1171	1330	1329	1305	1508	1423	1262

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	0	0	0	50	50	50	50	50	50	50	50	50	50	50	42
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	53	53	46	109	120	120	123	118	112	115	115	111	114	103	104
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eitopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eitopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillwaup Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	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	0.3
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	1.2
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5	
Investor-Owned Entities																
-NUG: Hydro-																
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3	
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	
67 Bell Mountain (UPL)	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	0.1	
68 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	
69 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	
70 Birch Creek (UPL)	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	1.2	
71 Black Canyon #3 (IPC)	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	0.1	
72 Black Creek (AVWP)	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.9	
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6	
74 Box Canyon (IPC)	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	0.4	
75 Briggs Creek (IPC)	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	0.6	
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.8	1.5	1.2	1.1	1.2	1.2	1.8	1.8	3.1	2.6	1.9	1.7	
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8	
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1	
82 Cedar Draw (IPC)	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	0.7	
83 Central OR Irrigation District (PPL)	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	2.1	
84 Clear Springs Trout (IPC)	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	0.4	
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1	
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1	
89 Curry Cattle Co. (IPC)	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	0.1	
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
93 Derr Creek (AVWP)	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	0.1	
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5	
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4	
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6	
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0	
101 Falls River (IPC)	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	5.9	
102 Farmers Irrig. (PPL)	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	2.4	
103 Faulkner Ranch (IPC)	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	0.6	
104 Fisheries Development Co (IPC)	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	0.3	
105 Galesville Dam (PPL)	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	0.3	
106 Geobon 2 (IPC)	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	0.5	
107 Georgetown Power (UPL)	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	0.2	
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2	
110 Hazelton B (IPC)	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	3	
111 Horseshoe Bend (IPC)	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	6.6	
112 Hutchinson Creek (PSE)	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	0.7	
113 Ingram Warm Springs (UPL)	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	0.4	
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5	
115 Jim Knight (IPC)	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	0.2	
116 John Day Creek (AVWP)	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	0.2	
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7	
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4	
119 Koyle (IPC)	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	0.7	
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5	
122 Lake Oswego (PGE)	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	0.4	
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7	
124 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9	
127 Littlewood/Arkoosh (IPC)	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	0.5	
128 Lowline #2 (IPC)	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	1.8	
129 Lowline Canal (IPC)	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	5.3	
130 Magic Reservoir (IPC)	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	3.5	
131 Malad River (IPC)	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	0.4	
132 Marcos Ranches (IPC)	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	0.9	
133 Marsh Valley (UPL)	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	0.4	
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9	
135 Middlefork Irrig. (PPL)	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	2.2	
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7	
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	
138 Mink Creek (UPL)	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	0.9	
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6	
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
142 Mud Creek/S&S (IPC)	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		

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	138	113	121	110	99	107	128	174	173	217	227	199	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.2	9.4	8.7	8.8	6.6	7.4	7.7	7.3	6.3	6.2	6.1	10	8.6	8.4	8.0
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	32	32	33	32	31	31	31	35	33	33	33
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	17	16	10	12	14	14	13	12	7.2	7	19	16	15	14
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	348	363	355	359	356	341	355	352	339	339	308	347	348	348
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	56	56	49	112	122	122	125	121	114	117	117	114	117	106	106
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
240 Investor-Owned Entities	942	942	931	902	914	903	880	900	913	944	943	831	1006	977	920
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1350	1350	1249	1227	1225	1207	1195	1204	1222	1380	1379	1355	1550	1472	1303

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillwaup Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	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	0.3
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	1.2
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5	
Investor-Owned Entities																
-NUG: Hydro-																
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3	
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	
67 Bell Mountain (UPL)	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	0.1	
68 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	
69 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	
70 Birch Creek (UPL)	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	1.2	
71 Black Canyon #3 (IPC)	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	0.1	
72 Black Creek (AVWP)	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	3.1	
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6	
74 Box Canyon (IPC)	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	0.4	
75 Briggs Creek (IPC)	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	0.6	
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	1.5	1.2	1.2	1.2	1.2	1.9	1.8	3.1	2.6	1.9	1.7	
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8	
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1	
82 Cedar Draw (IPC)	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	0.7	
83 Central OR Irrigation District (PPL)	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	2.1	
84 Clear Springs Trout (IPC)	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	0.4	
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1	
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1	
89 Curry Cattle Co. (IPC)	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	0.1	
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
93 Derr Creek (AVWP)	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	0.1	
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5	
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4	
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6	
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0	
101 Falls River (IPC)	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	5.9	
102 Farmers Irrig. (PPL)	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	2.4	
103 Faulkner Ranch (IPC)	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	0.6	
104 Fisheries Development Co (IPC)	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	0.3	
105 Galesville Dam (PPL)	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	0.3	
106 Geobon 2 (IPC)	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	0.5	
107 Georgetown Power (UPL)	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	0.2	
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2	
110 Hazelton B (IPC)	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	3	
111 Horseshoe Bend (IPC)	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	6.6	
112 Hutchinson Creek (PSE)	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	0.7	
113 Ingram Warm Springs (UPL)	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	0.4	
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5	
115 Jim Knight (IPC)	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	0.2	
116 John Day Creek (AVWP)	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	0.2	
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7	
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4	
119 Koyle (IPC)	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	0.7	
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5	
122 Lake Oswego (PGE)	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	0.4	
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7	
124 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9	
127 Littlewood/Arkoosh (IPC)	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	0.5	
128 Lowline #2 (IPC)	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	1.8	
129 Lowline Canal (IPC)	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	5.3	
130 Magic Reservoir (IPC)	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	3.5	
131 Malad River (IPC)	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	0.4	
132 Marcos Ranches (IPC)	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	0.9	
133 Marsh Valley (UPL)	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	0.4	
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9	
135 Middlefork Irrig. (PPL)	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	2.2	
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7	
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	
138 Mink Creek (UPL)	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	0.9	
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6	
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
142 Mud Creek/S&S (IPC)	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</		

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	137	113	121	110	100	107	128	174	174	217	227	199	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.3	9.5	8.7	8.9	6.7	7.5	7.7	7.4	6.4	6.2	6.1	10	8.7	8.4	8
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	32	32	33	32	31	31	31	35	34	33	33
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	17	16	10	12	14	14	14	12	7.2	7.1	19	16	15	14
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	348	363	355	359	356	341	355	352	339	339	308	347	348	348
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalaline Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalaline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	6.1	5.4	4.2	3.9	3.9	3.9	3.8	3.3	4.4
240 Investor-Owned Entities	941	943	931	902	915	904	880	900	913	945	945	832	1006	978	921
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1399	1401	1298	1227	1225	1208	1196	1204	1222	1380	1380	1356	1550	1472	1311

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stalentine Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stalentine Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stalentine Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivaup Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.3	0.3	0	0	0	0	0	0	0	0	0.1
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.6	0.6	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0.1	0	0
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	136	112	121	110	100	107	129	174	174	217	228	200	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.3	9.5	8.8	8.9	6.7	7.5	7.8	7.4	6.4	6.3	6.2	10	11	8.5	8.3
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	32	32	33	32	31	31	31	35	36	33	33
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	17	16	11	12	14	14	14	12	7.3	7.2	19	20	16	14
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TASCO Nampa ID (IPC)	0.2	0.2	0.2	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 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	349	363	355	359	356	341	356	352	339	339	308	351	348	348
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.4	3.4	3.4	4.1	5.7	5.8	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.3
240 Investor-Owned Entities	941	942	930	901	915	904	881	901	914	945	945	832	1014	979	921
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1400	1400	1297	1226	1226	1208	1196	1204	1222	1381	1380	1356	1558	1473	1312

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivau Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	0.9
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5
Investor-Owned Entities															
-NUG: Hydro-															
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
67 Bell Mountain (UPL)	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	0.1
68 Bingham Engineering (NWE)	0.1	0.1	0.1	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 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
70 Birch Creek (UPL)	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	1.2
71 Black Canyon #3 (IPC)	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	0.1
72 Black Creek (AVWP)	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	2.9
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
74 Box Canyon (IPC)	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	0.4
75 Briggs Creek (IPC)	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	0.6
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.6	2.0	1.9
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1
82 Cedar Draw (IPC)	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	0.7
83 Central OR Irrigation District (PPL)	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	2.1
84 Clear Springs Trout (IPC)	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	0.4
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
89 Curry Cattle Co. (IPC)	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	0.1
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	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	0.1
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
101 Falls River (IPC)	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	5.9
102 Farmers Irrig. (PPL)	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	2.4
103 Faulkner Ranch (IPC)	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	0.6
104 Fisheries Development Co (IPC)	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	0.3
105 Galesville Dam (PPL)	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	0.3
106 Geobon 2 (IPC)	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	0.5
107 Georgetown Power (UPL)	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	0.2
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
110 Hazelton B (IPC)	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	3
111 Horseshoe Bend (IPC)	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	6.6
112 Hutchinson Creek (PSE)	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	0.7
113 Ingram Warm Springs (UPL)	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	0.4
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
115 Jim Knight (IPC)	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	0.2
116 John Day Creek (AVWP)	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	0.2
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
119 Koyle (IPC)	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	0.7
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
122 Lake Oswego (PGE)	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	0.4
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7
124 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
127 Littlewood/Arkoosh (IPC)	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	0.5
128 Lowline #2 (IPC)	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	1.8
129 Lowline Canal (IPC)	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	5.3
130 Magic Reservoir (IPC)	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	3.5
131 Malad River (IPC)	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	0.4
132 Marcos Ranches (IPC)	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	0.9
133 Marsh Valley (UPL)	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	0.4
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
135 Middlefork Irrig. (PPL)	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	2.2
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
138 Mink Creek (UPL)	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	0.9
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3			

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0.1
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	136	113	121	109	100	108	129	176	175	218	228	200	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.4	9.6	8.9	9.0	9.2	10.0	10	10.0	8.9	8.9	8.7	10	8.7	8.5	9.3
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	34	35	35	35	34	34	34	35	34	33	34
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	18	16	11	17	18	19	18	16	10	10	19	16	16	16
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	349	363	355	363	360	346	360	357	342	342	308	347	348	350
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalaine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalaine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
240 Investor-Owned Entities	942	942	930	902	922	910	887	909	922	952	951	833	1007	979	925
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1400	1400	1297	1226	1232	1213	1202	1212	1230	1387	1386	1356	1551	1473	1315

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivau Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	0.9
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5	
Investor-Owned Entities																
-NUG: Hydro-																
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3	
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	
67 Bell Mountain (UPL)	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	0.1	
68 Bingham Engineering (NWE)	0.1	0.1	0.1	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 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	
70 Birch Creek (UPL)	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	1.2	
71 Black Canyon #3 (IPC)	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	0.1	
72 Black Creek (AVWP)	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	2.8	
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6	
74 Box Canyon (IPC)	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	0.4	
75 Briggs Creek (IPC)	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	0.6	
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.7	2.0	2.0	
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8	
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1	
82 Cedar Draw (IPC)	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	0.7	
83 Central OR Irrigation District (PPL)	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	2.1	
84 Clear Springs Trout (IPC)	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	0.4	
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1	
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1	
89 Curry Cattle Co. (IPC)	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	0.1	
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
93 Derr Creek (AVWP)	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	0.1	
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5	
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4	
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6	
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0	
101 Falls River (IPC)	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	5.9	
102 Farmers Irrig. (PPL)	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	2.4	
103 Faulkner Ranch (IPC)	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	0.6	
104 Fisheries Development Co (IPC)	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	0.3	
105 Galesville Dam (PPL)	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	0.3	
106 Geobon 2 (IPC)	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	0.5	
107 Georgetown Power (UPL)	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	0.2	
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2	
110 Hazelton B (IPC)	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	3	
111 Horseshoe Bend (IPC)	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	6.6	
112 Hutchinson Creek (PSE)	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	0.7	
113 Ingram Warm Springs (UPL)	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	0.4	
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5	
115 Jim Knight (IPC)	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	0.2	
116 John Day Creek (AVWP)	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	0.2	
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7	
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4	
119 Koyle (IPC)	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	0.7	
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5	
122 Lake Oswego (PGE)	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	0.4	
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7	
124 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9	
127 Littlewood/Arkoosh (IPC)	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	0.5	
128 Lowline #2 (IPC)	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	1.8	
129 Lowline Canal (IPC)	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	5.3	
130 Magic Reservoir (IPC)	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	3.5	
131 Malad River (IPC)	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	0.4	
132 Marcos Ranches (IPC)	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	0.9	
133 Marsh Valley (UPL)	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	0.4	
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9	
135 Middlefork Irrig. (PPL)	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	2.2	
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7	
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	
138 Mink Creek (UPL)	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	0.9	
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6	
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
142 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3				

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	162	162	137	113	121	109	100	108	127	175	175	218	228	200	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.4	9.6	8.9	9.0	9.2	10.0	10	10	9.0	9.0	8.8	10	8.8	8.6	9.4
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	34	34	34	34	35	35	35	34	34	34	35	34	33	34
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	18	16	11	17	18	19	18	16	10	10	19	16	16	16
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	348	349	363	355	363	360	346	360	357	342	342	309	347	348	350
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
240 Investor-Owned Entities	942	942	931	902	922	910	887	908	920	951	952	833	1007	979	925
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1400	1400	1298	1227	1233	1213	1203	1212	1228	1387	1387	1356	1551	1473	1315

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivau Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	0.9
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5
Investor-Owned Entities															
-NUG: Hydro-															
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
67 Bell Mountain (UPL)	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	0.1
68 Bingham Engineering (NWE)	0.1	0.1	0.1	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 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
70 Birch Creek (UPL)	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	1.2
71 Black Canyon #3 (IPC)	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	0.1
72 Black Creek (AVWP)	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	2.8
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
74 Box Canyon (IPC)	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	0.4
75 Briggs Creek (IPC)	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	0.6
76 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2	1.6	1.6	1.7	1.8	2.7	2.6	3.2	3.4	2.0	2
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1
82 Cedar Draw (IPC)	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	0.7
83 Central OR Irrigation District (PPL)	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	2.1
84 Clear Springs Trout (IPC)	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	0.4
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
89 Curry Cattle Co. (IPC)	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	0.1
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	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	0.1
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
101 Falls River (IPC)	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	5.9
102 Farmers Irrig. (PPL)	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	2.4
103 Faulkner Ranch (IPC)	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	0.6
104 Fisheries Development Co (IPC)	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	0.3
105 Galesville Dam (PPL)	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	0.3
106 Geobon 2 (IPC)	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	0.5
107 Georgetown Power (UPL)	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	0.2
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
110 Hazelton B (IPC)	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	3
111 Horseshoe Bend (IPC)	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	6.6
112 Hutchinson Creek (PSE)	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	0.7
113 Ingram Warm Springs (UPL)	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	0.4
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
115 Jim Knight (IPC)	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	0.2
116 John Day Creek (AVWP)	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	0.2
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
119 Koyle (IPC)	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	0.7
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
122 Lake Oswego (PGE)	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	0.4
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7
124 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
127 Littlewood/Arkoosh (IPC)	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	0.5
128 Lowline #2 (IPC)	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	1.8
129 Lowline Canal (IPC)	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	5.3
130 Magic Reservoir (IPC)	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	3.5
131 Malad River (IPC)	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	0.4
132 Marcos Ranches (IPC)	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	0.9
133 Marsh Valley (UPL)	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	0.4
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
135 Middlefork Irrig. (PPL)	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	2.2
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
138 Mink Creek (UPL)	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	0.9
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Mud Creek/S&S (IPC)	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		

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0	0.1
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	163	163	137	113	121	110	100	108	128	175	175	216	228	201	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.5	9.7	8.9	9.1	9.2	10	10	10	9.1	9.1	8.9	10	11	8.6	9.7
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	35	34	34	34	35	35	35	34	34	34	35	36	34	35
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	17	18	16	11	17	18	19	19	17	11	10	19	21	16	17
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	349	349	363	355	363	360	346	361	357	342	342	309	352	348	350
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
240 Investor-Owned Entities	943	943	932	902	922	911	888	909	921	952	951	832	1015	980	925
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1401	1401	1298	1227	1233	1215	1203	1212	1229	1387	1387	1355	1558	1474	1316

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivau Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	0.9
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg	
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5	
Investor-Owned Entities																
-NUG: Hydro-																
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3	
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	
67 Bell Mountain (UPL)	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	0.1	
68 Bingham Engineering (NWE)	0.1	0.1	0.1	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 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	
70 Birch Creek (UPL)	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	1.2	
71 Black Canyon #3 (IPC)	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	0.1	
72 Black Creek (AVWP)	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	3.0	
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6	
74 Box Canyon (IPC)	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	0.4	
75 Briggs Creek (IPC)	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	0.6	
76 Broadwater Dam (NWE)	1.1	1.1	1.6	1.9	2.1	1.6	1.6	1.7	1.8	2.8	2.7	3.2	2.7	2.0	2	
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8	
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1	
82 Cedar Draw (IPC)	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	0.7	
83 Central OR Irrigation District (PPL)	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	2.1	
84 Clear Springs Trout (IPC)	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	0.4	
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1	
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1	
89 Curry Cattle Co. (IPC)	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	0.1	
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
93 Derr Creek (AVWP)	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	0.1	
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5	
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4	
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6	
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0	
101 Falls River (IPC)	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	5.9	
102 Farmers Irrig. (PPL)	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	2.4	
103 Faulkner Ranch (IPC)	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	0.6	
104 Fisheries Development Co (IPC)	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	0.3	
105 Galesville Dam (PPL)	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	0.3	
106 Geobon 2 (IPC)	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	0.5	
107 Georgetown Power (UPL)	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	0.2	
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2	
110 Hazelton B (IPC)	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	3	
111 Horseshoe Bend (IPC)	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	6.6	
112 Hutchinson Creek (PSE)	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	0.7	
113 Ingram Warm Springs (UPL)	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	0.4	
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5	
115 Jim Knight (IPC)	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	0.2	
116 John Day Creek (AVWP)	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	0.2	
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7	
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4	
119 Koyle (IPC)	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	0.7	
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5	
122 Lake Oswego (PGE)	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	0.4	
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7	
124 Lee Tavener (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9	
127 Littlewood/Arkoosh (IPC)	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	0.5	
128 Lowline #2 (IPC)	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	1.8	
129 Lowline Canal (IPC)	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	5.3	
130 Magic Reservoir (IPC)	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	3.5	
131 Malad River (IPC)	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	0.4	
132 Marcos Ranches (IPC)	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	0.9	
133 Marsh Valley (UPL)	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	0.4	
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9	
135 Middlefork Irrig. (PPL)	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	2.2	
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7	
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	
138 Mink Creek (UPL)	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	0.9	
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6	
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
142 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3				

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1	3.1
191 Wisconsin Creek (NWE)	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	163	163	137	114	122	110	100	108	129	175	175	216	228	200	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	35	34	34	34	35	35	35	34	34	34	36	34	34	34
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TESCO Nampa ID (IPC)	0.2	0.2	0.2	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 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	349	349	364	355	364	361	346	361	357	343	342	309	347	348	350
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
240 Investor-Owned Entities	943	944	932	903	923	912	889	909	922	953	952	832	1008	979	925
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1401	1401	1299	1228	1234	1215	1204	1213	1230	1388	1387	1356	1551	1473	1316

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Federal Entities															
-NUG: Hydro-															
1 Dworshak/Clearwater Small Hydropower (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	2.6
2 Federal -Total NUG: Hydro	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	2.6
-NUG: Renewables-															
3 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Condon Wind Project (BPA)	10	10	10	11	13	14	13	13	12	14	14	12	15	11	12
5 Foote Creek 1 (BPA)	3.3	3.3	3.8	5.6	8.3	10	11	9.6	7.2	5.8	5.8	4.6	4.1	3.3	6.3
6 Foote Creek 2 (BPA)	0.4	0.4	0.5	0.7	1	1.3	1.3	1.2	0.9	0.7	0.7	0.5	0.5	0.4	0.8
7 Foote Creek 4 (BPA)	3.9	3.9	4.4	6.6	9.7	12	12	11	8.4	6.7	6.7	5.4	4.8	3.8	7.4
8 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
9 Klondike Phase 1 (BPA)	7.4	7.4	5.8	7.3	7.8	7.0	7.5	7.1	7	7.9	7.9	8.1	8.5	7.5	7.4
10 Stataline Wind Project (BPA)	28	28	22	28	30	26	28	27	26	30	30	30	32	28	28
11 Federal -Total NUG: Renewables	103	103	96	109	120	120	123	118	112	115	115	111	114	103	112
Generating Public Entities															
-NUG: Hydro-															
12 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
14 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1	0.5
15 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77	38
18 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
19 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12	4.9
20 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.9	6.2	5.8	2.9
21 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
23 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
24 Quincy Chute (GCPD)	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
25 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
26 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
27 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11	9.2
28 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
29 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44	18
30 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
31 GPU - Total NUG: Hydro	185	185	115	51	7.7	7	8	11	32	141	141	232	247	221	105
-NUG: Small Thermal & Misc.-															
32 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
33 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GPU - Total NUG: Small Thermal & Misc.	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-NUG: Co-Generation-															
35 Metro Westpoint (SCL)	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	1.2
36 Scott Paper (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38	32
37 GPU - Total NUG: Co-Generation	39	39	39	28	28	28	28	28	28	39	39	39	39	39	34
-NUG: Renewables-															
38 Foote Creek 1 (EWEB)	1.4	1.4	1.6	2.4	3.5	4.3	4.5	4.1	3.1	2.4	2.4	1.9	1.7	1.4	2.7
39 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
40 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
41 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
42 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7
43 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
44 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
45 Stataline Wind Project (EWEB)	7.7	7.7	6	7.6	8.2	7.2	7.8	7.4	7.3	8.3	8.3	8.4	8.8	7.8	7.7
46 Stataline Wind Project (SCL)	54	54	42	54	57	51	55	52	51	58	58	59	62	55	54
47 GPU - Total NUG: Renewables	73	73	60	79	95	89	96	87	78	83	83	83	86	73	82
Non-Generating Public Entities															
-NUG: Hydro-															
48 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
49 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Lillivau Falls Generating Co. (MCPD1)	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	0.6
52 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NGP - Total NUG: Hydro	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	0.9
-NUG: Small Thermal & Misc.-															
55 Methane Energy Agricultural D. (TKPD)	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	0.8
56 NGP - Total NUG: Small Thermal & Misc.	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	0.8
-NUG: Renewables-															
57 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
59 Nine Canyon Wind Project (ENW)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
60 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
61 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 NGP - Total NUG: Renewables	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	2.3	2.0	2.0	2.0	1.9	1.4	2.5
Investor-Owned Entities															
-NUG: Hydro-															
64 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
65 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Beaverton (PGE)	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
67 Bell Mountain (UPL)	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	0.1
68 Bingham Engineering (NWE)	0.1	0.1	0.1	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 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
70 Birch Creek (UPL)	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	1.2
71 Black Canyon #3 (IPC)	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	0.1
72 Black Creek (AVWP)	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	3.1
73 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
74 Box Canyon (IPC)	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	0.4
75 Briggs (IPC)	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	0.6
76 Broadwater Dam (NWE)	1.1	1.1	1.6	1.9	2.1	1.6	1.6	1.7	1.8	2.8	2.7	3.2	2.7	2.0	2
77 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
78 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
79 Carlton (PGE)	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
80 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1	3.1
82 Cedar Draw (IPC)	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	0.7
83 Central OR Irrigation District (PPL)	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	2.1
84 Clear Springs Trout (IPC)	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	0.4
85 Commercial Energy Management (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
86 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
89 Curry Cattle Co. (IPC)	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	0.1
90 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	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	0.1
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
99 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
101 Falls River (IPC)	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	5.9
102 Farmers Irrig. (PPL)	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	2.4
103 Faulkner Ranch (IPC)	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	0.6
104 Fisheries Development Co (IPC)	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	0.3
105 Galesville Dam (PPL)	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	0.3
106 Geobon 2 (IPC)	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	0.5
107 Georgetown Power (UPL)	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	0.2
108 Hailey Csp (IPC)	0.1	0.1	0.1	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 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
110 Hazelton B (IPC)	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	3
111 Horseshoe Bend (IPC)	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	6.6
112 Hutchinson Creek (PSE)	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	0.7
113 Ingram Warm Springs (UPL)	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	0.4
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
115 Jim Knight (IPC)	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	0.2
116 John Day Creek (AVWP)	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	0.2
117 Kassel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1	0.7
118 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
119 Koyle (IPC)	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	0.7
120 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
122 Lake Oswego (PGE)	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	0.4
123 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5	1.7
124 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
127 Littlewood/Arkoosh (IPC)	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	0.5
128 Lowline #2 (IPC)	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	1.8
129 Lowline Canal (IPC)	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	5.3
130 Magic Reservoir (IPC)	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	3.5
131 Malad River (IPC)	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	0.4
132 Marcos Ranches (IPC)	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	0.9
133 Marsh Valley (UPL)	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	0.4
134 Meyers Falls (AVWP)	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
135 Middlefork Irrig. (PPL)	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	2.2
136 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
137 Minikahda (PGE)	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
138 Mink Creek (UPL)	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	0.9
139 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
140 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3			

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
143 Mud Creek/White (IPC)	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	0.1
144 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
145 Nicholson Sunnybar (UPL)	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	0.2
146 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
147 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
148 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149 Opal Springs (PPL)	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	2.9
150 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
151 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	7.8
153 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
155 Pigeon Cove (IPC)	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	1.2
156 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
159 Preston City (UPL)	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	0.4
160 Pristine Springs (IPC)	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	0.1
161 Pristine Springs #3 (IPC)	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	0.2
162 Reynolds Irrigation (IPC)	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	0.2
163 Rim View (IPC)	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	0.2
164 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
165 Rock Creek #2 (IPC)	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	1.6
166 Sagebrush (IPC)	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	0.3
167 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168 Schaffner (IPC)	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	0.3
169 Sheep Creek (AVWP)	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	0.7
170 Shingle Creek (IPC)	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	0.1
171 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	0.3
172 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0.3	0.3	0.3	0.5	0.6	0.6	0.3
173 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
174 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
175 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
176 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
177 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
178 Stauffer Dry Creek (UPL)	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	0.8
179 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
180 Sunshine Power #2 (IPC)	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	0.1
181 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
182 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
183 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
184 Twin Falls (PSE)	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
185 Walla Walla (PPL)	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	1.5
186 Water Street / Santiam (PPL)	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	0.1
187 Weeks Falls (PSE)	0.8	0.8	0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
188 White James (PPL)	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	0.2
189 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
190 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	2.3	6.1	6.8	7.6	3.1
191 Wisconsin Creek (NWE)	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
192 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	0.9
193 IOU - Total NUG: Hydro	161	162	137	113	122	110	101	108	129	175	175	218	228	200	150
-NUG: Small Thermal & Misc.-															
194 Marion Solid Waste (PGE)	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	9.3	9.3
195 Montana One (NWE)	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
196 Pocatello Waste (IPC)	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	0.1
197 Spokane MSW (PSE)	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
198 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
199 IOU - Total NUG: Small Thermal & Misc.	34	35	34	34	34	35	35	35	34	34	34	36	34	34	34
-NUG: Combustion Turbines -															
200 Rathdrum-Boekel Rd. #1 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
201 Rathdrum-Boekel Rd. #2 (AVWP)	69	69	69	69	69	69	69	69	69	69	69	35	69	69	66
202 Tenaska Gas Cogen (PSE)	240	240	240	240	240	240	240	240	240	240	240	180	240	240	235
203 IOU - Total NUG: Combustion Turbines	378	378	378	378	378	378	378	378	378	378	378	250	378	378	367
-NUG: Co-Generation-															
204 Billings Generation (NWE)	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
205 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22	19
206 Boise Cascade Medford (PPL)	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	8.5
207 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
208 DR Johnson - Co-Gen II (PPL)	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	7.2
209 Magic Valley (IPC)	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	9.5
210 Magic West (IPC)	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	9.5
211 March Point #1 (PSE)	79	79	79	79	79	79	79	79	79	79	79	55	79	79	77
212 March Point #2 (PSE)	59	59	59	59	59	59	59	59	59	59	59	45	59	59	58
213 PERC Pierce, Wa (PSE)	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
214 Simplot Pocatello (IPC)	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
215 Sumas Energy (PSE)	113	113	126	126	126	126	126	126	126	113	113	113	113	113	120
216 Tamarack (IPC)	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	4.1
217 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	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 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Vaagen Bros. (IPC)	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	3.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [27] 2004 White Book

Continued

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
220 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
221 IOU - Total NUG: Co-Generation	349	349	364	355	364	361	346	361	357	343	342	309	347	348	350
-NUG: Renewables-															
222 Emmett Biomass Project (IPC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
223 Foote Creek 1 (PPL)	4.3	4.3	4.8	7.2	11	13	13	12	9.2	7.4	7.4	5.9	5.2	4.2	8.1
224 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Josef Staufier (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
229 Stalbine Wind Project (AVWP)	3.1	3.1	2.4	3	3.2	2.9	3.1	2.9	2.9	3.3	3.3	3.3	3.5	3.1	3.1
230 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 IOU - Total NUG: Renewables	19	19	19	22	26	28	29	27	24	23	23	21	21	19	23
Other Entities															
-NUG: Co-Generation-															
232 SP Newsprint cogen (SPN)	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
233 Other - Total NUG: Co-Generation	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
-NUG: Renewables-															
234 Stalbine Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 Vansycle Wind (FPLEV)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
236 Other - Total NUG: Renewables	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-Total Non-Utility Generating Resources-															
237 Federal Entities	106	106	99	112	122	122	125	121	114	117	117	114	117	106	115
238 Generating Public Entities	317	317	233	177	150	143	152	145	157	282	282	374	391	352	239
239 Non Generating Public Entities	3.1	3.1	3.1	3.8	5.4	5.5	5.8	5.1	3.9	3.6	3.6	3.6	3.5	3	4.1
240 Investor-Owned Entities	941	943	932	903	923	912	889	910	922	953	952	833	1008	979	926
241 Other Entities	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
242 Total Non-Utility Generation	1399	1400	1299	1227	1234	1215	1204	1213	1230	1388	1387	1357	1551	1473	1316

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-25
Dedicated Resources
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	2050	1762	1811	2190	2257	2319	2083	1679	1872	1910	2149	1645	3013	2308	2093
2 Total Generating Public Entities	2050	1762	1811	2190	2257	2319	2083	1679	1872	1910	2149	1645	3013	2308	2093
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	114	105	90	97	114	116	100	97	100	99	98	96	112	110	103
4 Total Non-Generating Public Entities	114	105	90	97	114	116	100	97	100	99	98	96	112	110	103
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7036	6725	6481	6809	7016	7187	6873	6329	6785	7258	6897	6713	7869	7388	6951
6 Total Investor-owned Entities	7036	6725	6481	6809	7016	7187	6873	6329	6785	7258	6897	6713	7869	7388	6951
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	2050	1762	1811	2190	2257	2319	2083	1679	1872	1910	2149	1645	3013	2308	2093
8 Small & Non Generating Entities	114	105	90	97	114	116	100	97	100	99	98	96	112	110	103
9 Investor-Owned Entities	7036	6725	6481	6809	7016	7187	6873	6329	6785	7258	6897	6713	7869	7388	6951
10 Regional Total Dedicated Resources	9200	8592	8382	9095	9387	9622	9056	8105	8757	9267	9143	8454	10994	9806	9147

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1963	1677	1739	1983	2170	2228	2046	1642	1833	1849	2088	1647	2961	2266	2025
2 Total Generating Public Entities	1963	1677	1739	1983	2170	2228	2046	1642	1833	1849	2088	1647	2961	2266	2025
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	116	106	89	83	93	93	79	76	83	78	77	79	92	90	87
4 Total Non-Generating Public Entities	116	106	89	83	93	93	79	76	83	78	77	79	92	90	87
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7095	6772	6320	6597	6968	7171	6913	6371	6831	7327	6888	6009	7246	7409	6823
6 Total Investor-owned Entities	7095	6772	6320	6597	6968	7171	6913	6371	6831	7327	6888	6009	7246	7409	6823
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1963	1677	1739	1983	2170	2228	2046	1642	1833	1849	2088	1647	2961	2266	2025
8 Small & Non Generating Entities	116	106	89	83	93	93	79	76	83	78	77	79	92	90	87
9 Investor-Owned Entities	7095	6772	6320	6597	6968	7171	6913	6371	6831	7327	6888	6009	7246	7409	6823
10 Regional Total Dedicated Resources	9174	8555	8148	8664	9230	9493	9038	8089	8746	9254	9053	7735	10299	9765	8935

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1907	1623	1672	2012	2199	2260	2076	1671	1863	1877	2117	1588	2997	2302	2033
2 Total Generating Public Entities	1907	1623	1672	2012	2199	2260	2076	1671	1863	1877	2117	1588	2997	2302	2033
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	96	87	73	83	93	90	79	76	83	78	77	79	92	90	84
4 Total Non-Generating Public Entities	96	87	73	83	93	90	79	76	83	78	77	79	92	90	84
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7123	6843	6571	6661	6906	7181	6924	6383	6841	7309	7109	6366	7785	7428	6937
6 Total Investor-owned Entities	7123	6843	6571	6661	6906	7181	6924	6383	6841	7309	7109	6366	7785	7428	6937
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1907	1623	1672	2012	2199	2260	2076	1671	1863	1877	2117	1588	2997	2302	2033
8 Small & Non Generating Entities	96	87	73	83	93	90	79	76	83	78	77	79	92	90	84
9 Investor-Owned Entities	7123	6843	6571	6661	6906	7181	6924	6383	6841	7309	7109	6366	7785	7428	6937
10 Regional Total Dedicated Resources	9127	8553	8316	8756	9197	9532	9079	8130	8786	9265	9303	8034	10875	9820	9054

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1945	1661	1710	2016	2203	2263	2080	1675	1867	1877	2116	1675	2996	2301	2049
2 Total Generating Public Entities	1945	1661	1710	2016	2203	2263	2080	1675	1867	1877	2116	1675	2996	2301	2049
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	97	87	73	82	92	92	78	75	82	77	76	78	91	89	83
4 Total Non-Generating Public Entities	97	87	73	82	92	92	78	75	82	77	76	78	91	89	83
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7142	6964	6692	6827	7014	7187	6930	6388	6845	7051	6903	6334	7695	7428	6947
6 Total Investor-owned Entities	7142	6964	6692	6827	7014	7187	6930	6388	6845	7051	6903	6334	7695	7428	6947
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1945	1661	1710	2016	2203	2263	2080	1675	1867	1877	2116	1675	2996	2301	2049
8 Small & Non Generating Entities	97	87	73	82	92	92	78	75	82	77	76	78	91	89	83
9 Investor-Owned Entities	7142	6964	6692	6827	7014	7187	6930	6388	6845	7051	6903	6334	7695	7428	6947
10 Regional Total Dedicated Resources	9184	8712	8475	8926	9308	9542	9088	8139	8794	9005	9095	8086	10783	9818	9080

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1945	1661	1710	2016	2169	2230	2050	1649	1826	1680	1919	1606	2969	2271	2008
2 Total Generating Public Entities	1945	1661	1710	2016	2169	2230	2050	1649	1826	1680	1919	1606	2969	2271	2008
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	95	86	72	82	90	91	78	75	79	78	77	74	88	90	82
4 Total Non-Generating Public Entities	95	86	72	82	90	91	78	75	79	78	77	74	88	90	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7132	6852	6578	6790	6963	7138	6860	6324	6739	6646	6592	6974	7499	7363	6903
6 Total Investor-owned Entities	7132	6852	6578	6790	6963	7138	6860	6324	6739	6646	6592	6974	7499	7363	6903
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1945	1661	1710	2016	2169	2230	2050	1649	1826	1680	1919	1606	2969	2271	2008
8 Small & Non Generating Entities	95	86	72	82	90	91	78	75	79	78	77	74	88	90	82
9 Investor-Owned Entities	7132	6852	6578	6790	6963	7138	6860	6324	6739	6646	6592	6974	7499	7363	6903
10 Regional Total Dedicated Resources	9173	8599	8360	8888	9223	9459	8989	8048	8644	8403	8588	8654	10556	9724	8994

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1915	1640	1697	1999	2177	2237	2059	1659	1835	1691	1930	1608	2980	2256	2008
2 Total Generating Public Entities	1915	1640	1697	1999	2177	2237	2059	1659	1835	1691	1930	1608	2980	2256	2008
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	97	86	69	79	90	91	78	75	79	78	77	74	88	90	82
4 Total Non-Generating Public Entities	97	86	69	79	90	91	78	75	79	78	77	74	88	90	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7039	6792	6539	6725	6933	7094	6778	6243	6666	6608	6315	6511	7808	7277	6829
6 Total Investor-owned Entities	7039	6792	6539	6725	6933	7094	6778	6243	6666	6608	6315	6511	7808	7277	6829
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1915	1640	1697	1999	2177	2237	2059	1659	1835	1691	1930	1608	2980	2256	2008
8 Small & Non Generating Entities	97	86	69	79	90	91	78	75	79	78	77	74	88	90	82
9 Investor-Owned Entities	7039	6792	6539	6725	6933	7094	6778	6243	6666	6608	6315	6511	7808	7277	6829
10 Regional Total Dedicated Resources	9051	8518	8306	8803	9201	9422	8915	7977	8580	8377	8321	8194	10876	9623	8919

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1903	1632	1680	2094	2299	2358	2176	1775	1965	2043	2266	1853	3178	2457	2146
2 Total Generating Public Entities	1903	1632	1680	2094	2299	2358	2176	1775	1965	2043	2266	1853	3178	2457	2146
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	97	86	69	75	83	84	73	70	74	68	67	65	78	80	76
4 Total Non-Generating Public Entities	97	86	69	75	83	84	73	70	74	68	67	65	78	80	76
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6953	6706	6455	6501	6704	6865	6652	6115	6571	7013	6869	6009	7607	7078	6694
6 Total Investor-owned Entities	6953	6706	6455	6501	6704	6865	6652	6115	6571	7013	6869	6009	7607	7078	6694
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1903	1632	1680	2094	2299	2358	2176	1775	1965	2043	2266	1853	3178	2457	2146
8 Small & Non Generating Entities	97	86	69	75	83	84	73	70	74	68	67	65	78	80	76
9 Investor-Owned Entities	6953	6706	6455	6501	6704	6865	6652	6115	6571	7013	6869	6009	7607	7078	6694
10 Regional Total Dedicated Resources	8952	8424	8204	8670	9086	9307	8901	7961	8609	9124	9201	7927	10863	9615	8916

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	2065	1793	1833	2103	2308	2366	2185	1784	1973	2050	2273	1856	3185	2464	2179
2 Total Generating Public Entities	2065	1793	1833	2103	2308	2366	2185	1784	1973	2050	2273	1856	3185	2464	2179
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	87	76	63	75	83	84	73	70	74	68	67	65	78	80	74
4 Total Non-Generating Public Entities	87	76	63	75	83	84	73	70	74	68	67	65	78	80	74
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6810	6565	6318	6502	6705	6868	6654	6118	6447	6529	6230	6443	7529	7080	6644
6 Total Investor-owned Entities	6810	6565	6318	6502	6705	6868	6654	6118	6447	6529	6230	6443	7529	7080	6644
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	2065	1793	1833	2103	2308	2366	2185	1784	1973	2050	2273	1856	3185	2464	2179
8 Small & Non Generating Entities	87	76	63	75	83	84	73	70	74	68	67	65	78	80	74
9 Investor-Owned Entities	6810	6565	6318	6502	6705	6868	6654	6118	6447	6529	6230	6443	7529	7080	6644
10 Regional Total Dedicated Resources	8962	8434	8213	8680	9096	9317	8912	7972	8494	8646	8570	8363	10792	9623	8897

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	2078	1806	1846	2116	2321	2379	2199	1797	1986	2063	2286	1771	3198	2478	2184
2 Total Generating Public Entities	2078	1806	1846	2116	2321	2379	2199	1797	1986	2063	2286	1771	3198	2478	2184
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	74
4 Total Non-Generating Public Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	74
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6811	6567	6319	6504	6707	6870	6657	6121	6577	7022	6876	6420	7613	7082	6709
6 Total Investor-owned Entities	6811	6567	6319	6504	6707	6870	6657	6121	6577	7022	6876	6420	7613	7082	6709
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	2078	1806	1846	2116	2321	2379	2199	1797	1986	2063	2286	1771	3198	2478	2184
8 Small & Non Generating Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	74
9 Investor-Owned Entities	6811	6567	6319	6504	6707	6870	6657	6121	6577	7022	6876	6420	7613	7082	6709
10 Regional Total Dedicated Resources	8976	8449	8228	8694	9112	9333	8929	7988	8638	9153	9229	8256	10890	9639	8968

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	2092	1819	1859	2131	2335	2395	2213	1812	2001	2077	2300	1861	3212	2491	2205
2 Total Generating Public Entities	2092	1819	1859	2131	2335	2395	2213	1812	2001	2077	2300	1861	3212	2491	2205
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	75
4 Total Non-Generating Public Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	75
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6812	6569	6322	6505	6707	6870	6659	6123	6578	7024	6879	6514	7528	7083	6711
6 Total Investor-owned Entities	6812	6569	6322	6505	6707	6870	6659	6123	6578	7024	6879	6514	7528	7083	6711
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	2092	1819	1859	2131	2335	2395	2213	1812	2001	2077	2300	1861	3212	2491	2205
8 Small & Non Generating Entities	87	77	63	75	83	84	73	70	74	68	67	65	78	80	75
9 Investor-Owned Entities	6812	6569	6322	6505	6707	6870	6659	6123	6578	7024	6879	6514	7528	7083	6711
10 Regional Total Dedicated Resources	8991	8465	8245	8711	9125	9349	8946	8005	8653	9169	9246	8439	10818	9655	8990

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-26
Other Dedicated Resources
Monthly OY 2006 – 2015
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2005 - 2006 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	3689	3339	3165	3429	3978	4219	4191	4031	3965	3553	3495	3556	3606	3557	3728
2 Total Generating Public Entities	3689	3339	3165	3429	3978	4219	4191	4031	3965	3553	3495	3556	3606	3557	3728
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3556	3373	3006	3173	3536	3882	3820	3693	3405	3134	3103	3275	3446	3570	3449
4 Total Non-Generating Public Entities	3556	3373	3006	3173	3536	3882	3820	3693	3405	3134	3103	3275	3446	3570	3449
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	5233	5258	5018	4825	5801	6215	6106	5993	5381	5220	5226	3412	5195	5438	5321
6 Total Investor-owned Entities	5233	5258	5018	4825	5801	6215	6106	5993	5381	5220	5226	3412	5195	5438	5321
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	3689	3339	3165	3429	3978	4219	4191	4031	3965	3553	3495	3556	3606	3557	3728
8 <i>Non Generating Entities</i>	3556	3373	3006	3173	3536	3882	3820	3693	3405	3134	3103	3275	3446	3570	3449
9 <i>Investor-Owned Entities</i>	5233	5258	5018	4825	5801	6215	6106	5993	5381	5220	5226	3412	5195	5438	5321
10 Regional Total Dedicated Resources	12478	11969	11188	11426	13315	14316	14116	13717	12751	11908	11824	10243	12247	12565	12498

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	3746	3380	3201	3817	4415	4685	4382	4246	4105	3543	3484	3420	3398	3538	3857
2 Total Generating Public Entities	3746	3380	3201	3817	4415	4685	4382	4246	4105	3543	3484	3420	3398	3538	3857
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3599	3415	3053	3333	3729	4035	4004	3872	3579	3305	3272	3414	3611	3803	3602
4 Total Non-Generating Public Entities	3599	3415	3053	3333	3729	4035	4004	3872	3579	3305	3272	3414	3611	3803	3602
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	5242	5072	4741	4950	5825	6178	6042	5920	5274	5175	5181	3381	5126	4996	5231
6 Total Investor-owned Entities	5242	5072	4741	4950	5825	6178	6042	5920	5274	5175	5181	3381	5126	4996	5231
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	3746	3380	3201	3817	4415	4685	4382	4246	4105	3543	3484	3420	3398	3538	3857
8 <i>Non Generating Entities</i>	3599	3415	3053	3333	3729	4035	4004	3872	3579	3305	3272	3414	3611	3803	3602
9 <i>Investor-Owned Entities</i>	5242	5072	4741	4950	5825	6178	6042	5920	5274	5175	5181	3381	5126	4996	5231
10 Regional Total Dedicated Resources	12587	11868	10996	12100	13969	14898	14428	14038	12958	12023	11937	10215	12136	12338	12690

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	3851	3484	3418	3743	4343	4614	4404	4252	4125	3562	3502	3526	3531	3559	3893
2 Total Generating Public Entities	3851	3484	3418	3743	4343	4614	4404	4252	4125	3562	3502	3526	3531	3559	3893
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3836	3652	3222	3365	3767	4075	4045	3909	3614	3338	3305	3499	3714	3840	3676
4 Total Non-Generating Public Entities	3836	3652	3222	3365	3767	4075	4045	3909	3614	3338	3305	3499	3714	3840	3676
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4890	4911	4673	4819	5457	5795	5577	5494	4881	4833	4839	3069	4833	5111	4954
6 Total Investor-owned Entities	4890	4911	4673	4819	5457	5795	5577	5494	4881	4833	4839	3069	4833	5111	4954
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	3851	3484	3418	3743	4343	4614	4404	4252	4125	3562	3502	3526	3531	3559	3893
8 <i>Non Generating Entities</i>	3836	3652	3222	3365	3767	4075	4045	3909	3614	3338	3305	3499	3714	3840	3676
9 <i>Investor-Owned Entities</i>	4890	4911	4673	4819	5457	5795	5577	5494	4881	4833	4839	3069	4833	5111	4954
10 Regional Total Dedicated Resources	12578	12047	11314	11926	13567	14485	14027	13655	12620	11733	11646	10094	12079	12510	12523

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	3871	3503	3437	3759	4362	4634	4423	4264	4143	3579	3519	3453	3432	3576	3893
2 Total Generating Public Entities	3871	3503	3437	3759	4362	4634	4423	4264	4143	3579	3519	3453	3432	3576	3893
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3871	3686	3253	3393	3799	4111	4082	3920	3646	3368	3335	3475	3677	3873	3697
4 Total Non-Generating Public Entities	3871	3686	3253	3393	3799	4111	4082	3920	3646	3368	3335	3475	3677	3873	3697
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4790	4291	4123	4503	5303	5602	5321	5250	4736	4677	4682	2948	4667	4934	4717
6 Total Investor-owned Entities	4790	4291	4123	4503	5303	5602	5321	5250	4736	4677	4682	2948	4667	4934	4717
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	3871	3503	3437	3759	4362	4634	4423	4264	4143	3579	3519	3453	3432	3576	3893
8 <i>Non Generating Entities</i>	3871	3686	3253	3393	3799	4111	4082	3920	3646	3368	3335	3475	3677	3873	3697
9 <i>Investor-Owned Entities</i>	4790	4291	4123	4503	5303	5602	5321	5250	4736	4677	4682	2948	4667	4934	4717
10 Regional Total Dedicated Resources	12532	11480	10813	11655	13464	14347	13827	13434	12525	11624	11536	9876	11777	12383	12307

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	3875	3506	3440	3765	4456	4727	4532	4385	4254	3671	3610	3632	3683	3700	3992
2 Total Generating Public Entities	3875	3506	3440	3765	4456	4727	4532	4385	4254	3671	3610	3632	3683	3700	3992
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3896	3711	3275	3417	3828	4144	4121	3983	3676	3398	3364	3557	3776	3904	3739
4 Total Non-Generating Public Entities	3896	3711	3275	3417	3828	4144	4121	3983	3676	3398	3364	3557	3776	3904	3739
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4856	4832	4676	4662	5176	5408	5303	5238	4705	4653	4659	2917	4614	4868	4756
6 Total Investor-owned Entities	4856	4832	4676	4662	5176	5408	5303	5238	4705	4653	4659	2917	4614	4868	4756
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	3875	3506	3440	3765	4456	4727	4532	4385	4254	3671	3610	3632	3683	3700	3992
8 <i>Non Generating Entities</i>	3896	3711	3275	3417	3828	4144	4121	3983	3676	3398	3364	3557	3776	3904	3739
9 <i>Investor-Owned Entities</i>	4856	4832	4676	4662	5176	5408	5303	5238	4705	4653	4659	2917	4614	4868	4756
10 Regional Total Dedicated Resources	12628	12049	11391	11845	13460	14280	13956	13606	12636	11722	11633	10105	12072	12473	12487

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	4043	3635	3545	3903	4543	4819	4570	4420	4276	3689	3628	3560	3566	3727	4035
2 Total Generating Public Entities	4043	3635	3545	3903	4543	4819	4570	4420	4276	3689	3628	3560	3566	3727	4035
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3934	3944	3309	3453	3867	4187	4160	4021	3710	3428	3394	3534	3739	3938	3772
4 Total Non-Generating Public Entities	3934	3944	3309	3453	3867	4187	4160	4021	3710	3428	3394	3534	3739	3938	3772
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4786	4769	4662	4668	5132	5259	4969	4925	4501	4458	4464	2720	4432	4670	4598
6 Total Investor-owned Entities	4786	4769	4662	4668	5132	5259	4969	4925	4501	4458	4464	2720	4432	4670	4598
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	4043	3635	3545	3903	4543	4819	4570	4420	4276	3689	3628	3560	3566	3727	4035
8 <i>Non Generating Entities</i>	3934	3944	3309	3453	3867	4187	4160	4021	3710	3428	3394	3534	3739	3938	3772
9 <i>Investor-Owned Entities</i>	4786	4769	4662	4668	5132	5259	4969	4925	4501	4458	4464	2720	4432	4670	4598
10 Regional Total Dedicated Resources	12763	12348	11516	12024	13542	14264	13699	13365	12487	11576	11486	9815	11737	12334	12406

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	4078	3663	3585	3950	4533	4803	4551	4366	4289	3716	3670	3692	3732	3750	4068
2 Total Generating Public Entities	4078	3663	3585	3950	4533	4803	4551	4366	4289	3716	3670	3692	3732	3750	4068
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	3961	3775	3335	3480	3899	4225	4192	4048	3738	3454	3419	3618	3851	3987	3806
4 Total Non-Generating Public Entities	3961	3775	3335	3480	3899	4225	4192	4048	3738	3454	3419	3618	3851	3987	3806
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4590	4607	4479	4427	4627	4766	4687	4625	4181	4135	4141	2692	4407	4659	4357
6 Total Investor-owned Entities	4590	4607	4479	4427	4627	4766	4687	4625	4181	4135	4141	2692	4407	4659	4357
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	4078	3663	3585	3950	4533	4803	4551	4366	4289	3716	3670	3692	3732	3750	4068
8 <i>Non Generating Entities</i>	3961	3775	3335	3480	3899	4225	4192	4048	3738	3454	3419	3618	3851	3987	3806
9 <i>Investor-Owned Entities</i>	4590	4607	4479	4427	4627	4766	4687	4625	4181	4135	4141	2692	4407	4659	4357
10 Regional Total Dedicated Resources	12629	12045	11399	11857	13059	13794	13430	13038	12208	11305	11229	10002	11990	12396	12231

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	4086	3670	3585	3965	4552	4822	4571	4442	4308	3731	3685	3619	3635	3768	4071
2 Total Generating Public Entities	4086	3670	3585	3965	4552	4822	4571	4442	4308	3731	3685	3619	3635	3768	4071
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	4011	3825	3366	3493	3913	4241	4231	4093	3773	3487	3452	3598	3816	4023	3828
4 Total Non-Generating Public Entities	4011	3825	3366	3493	3913	4241	4231	4093	3773	3487	3452	3598	3816	4023	3828
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4578	4592	4459	4436	4632	4760	4695	4633	4202	4154	4159	2708	4414	4666	4362
6 Total Investor-owned Entities	4578	4592	4459	4436	4632	4760	4695	4633	4202	4154	4159	2708	4414	4666	4362
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	4086	3670	3585	3965	4552	4822	4571	4442	4308	3731	3685	3619	3635	3768	4071
8 <i>Non Generating Entities</i>	4011	3825	3366	3493	3913	4241	4231	4093	3773	3487	3452	3598	3816	4023	3828
9 <i>Investor-Owned Entities</i>	4578	4592	4459	4436	4632	4760	4695	4633	4202	4154	4159	2708	4414	4666	4362
10 Regional Total Dedicated Resources	12675	12086	11411	11894	13097	13823	13497	13168	12282	11372	11296	9924	11865	12457	12261

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 <i>Generating Public Entities</i>	4104	3686	3602	3985	4573	4844	4591	4432	4326	3748	3701	3723	3765	3785	4104
2 Total Generating Public Entities	4104	3686	3602	3985	4573	4844	4591	4432	4326	3748	3701	3723	3765	3785	4104
<i>-Non-Generating Public Entities-</i>															
3 <i>Small & Non Generating Public Entities</i>	4046	3859	3398	3528	3952	4281	4268	4102	3806	3517	3482	3681	3915	4056	3870
4 Total Non-Generating Public Entities	4046	3859	3398	3528	3952	4281	4268	4102	3806	3517	3482	3681	3915	4056	3870
<i>-Investor-Owned Entities-</i>															
5 <i>Investor-Owned Entities</i>	4583	4601	4473	4426	4616	4743	4697	4642	4210	4155	4162	2718	4388	4637	4358
6 Total Investor-owned Entities	4583	4601	4473	4426	4616	4743	4697	4642	4210	4155	4162	2718	4388	4637	4358
<i>-Total Dedicated Resources-</i>															
7 <i>Generating Public Entities</i>	4104	3686	3602	3985	4573	4844	4591	4432	4326	3748	3701	3723	3765	3785	4104
8 <i>Non Generating Entities</i>	4046	3859	3398	3528	3952	4281	4268	4102	3806	3517	3482	3681	3915	4056	3870
9 <i>Investor-Owned Entities</i>	4583	4601	4473	4426	4616	4743	4697	4642	4210	4155	4162	2718	4388	4637	4358
10 Regional Total Dedicated Resources	12733	12146	11472	11939	13141	13867	13556	13177	12342	11420	11346	10121	12069	12478	12332

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [27] 2004 White Book

12/31/2004

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	4121	3703	3618	4002	4593	4864	4612	4480	4344	3765	3718	3649	3668	3803	4107
2 Total Generating Public Entities	4121	3703	3618	4002	4593	4864	4612	4480	4344	3765	3718	3649	3668	3803	4107
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4077	3890	3426	3557	3985	4317	4305	4169	3838	3548	3512	3658	3877	4089	3895
4 Total Non-Generating Public Entities	4077	3890	3426	3557	3985	4317	4305	4169	3838	3548	3512	3658	3877	4089	3895
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4595	4573	4478	4433	4654	4761	4739	4678	4287	4180	4185	2729	4428	4681	4386
6 Total Investor-owned Entities	4595	4573	4478	4433	4654	4761	4739	4678	4287	4180	4185	2729	4428	4681	4386
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4121	3703	3618	4002	4593	4864	4612	4480	4344	3765	3718	3649	3668	3803	4107
8 Non Generating Entities	4077	3890	3426	3557	3985	4317	4305	4169	3838	3548	3512	3658	3877	4089	3895
9 Investor-Owned Entities	4595	4573	4478	4433	4654	4761	4739	4678	4287	4180	4185	2729	4428	4681	4386
10 Regional Total Dedicated Resources	12793	12166	11522	11993	13232	13943	13656	13327	12469	11492	11415	10036	11973	12574	12388

Bonneville Power Administration
PO Box 3621 Portland, Oregon 97208-3621

DOE/BP-3618 SEPTEMBER 2005 30

