

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-1
Medium Loads
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-1: Medium Loads
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
Firm Loads															
-Federal Entities-															
1 Federal Entities	148	148	140	109	126	138	140	136	124	115	114	108	109	116	126
2 Total Federal Entities	148	148	140	109	126	138	140	136	124	115	114	108	109	116	126
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
4 Total U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
-Direct Service Industry-															
5 Direct Service Industry	3361	3361	3361	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	2019
6 Total Direct Service Industry	3361	3361	3361	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	2019
-Generating Public Entities-															
7 Generating Public Entities	4562	4562	4534	4869	5533	6051	6189	6008	5523	5082	5071	4740	4583	4547	5185
8 Total Generating Public Entities	4562	4562	4534	4869	5533	6051	6189	6008	5523	5082	5071	4740	4583	4547	5185
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3290	3290	3034	2993	3390	3816	3947	3808	3299	3235	3226	3124	3241	3325	3375
10 Total Non-Generating Public Entities	3290	3290	3034	2993	3390	3816	3947	3808	3299	3235	3226	3124	3241	3325	3375
-Investor-Owned Entities-															
11 Investor-Owned Entities	10702	10702	10089	10724	11644	12544	12815	12309	11416	10868	10868	10594	11061	11257	11335
12 Total Investor-Owned Entities	10702	10702	10089	10724	11644	12544	12815	12309	11416	10868	10868	10594	11061	11257	11335
-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	426	426	333	206	150	153	155	149	161	329	329	379	397	445	274
16 Direct Service Industry	3361	3361	3361	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	2019
17 Public Entities	7852	7852	7568	7862	8923	9867	10136	9816	8822	8317	8297	7864	7824	7872	8559
18 Investor-Owned Entities	10702	10702	10089	10724	11644	12544	12815	12309	11416	10868	10868	10594	11061	11257	11335
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	22522	22522	21530	20722	22648	24495	25035	24204	22329	21444	21424	20767	21211	21505	22367
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 Total Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- 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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- Total Regional Medium Loads-															
29 Federal Entities	426	426	333	206	150	153	155	149	161	329	329	379	397	445	274
30 Direct Service Industry	3361	3361	3361	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	2019
31 Public Entities	7852	7852	7568	7862	8923	9867	10136	9816	8822	8317	8297	7864	7824	7872	8559
32 Investor-Owned Entities	10716	10716	10103	10738	11658	12558	12829	12323	11430	10882	10882	10608	11075	11271	11349
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Medium Loads	22536	22536	21544	20736	22662	24509	25049	24218	22343	21458	21438	20781	21225	21519	22381

**Table A-1: Medium Loads
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
Firm Loads															
-Federal Entities-															
1 Federal Entities	127	127	123	121	139	152	154	150	137	129	129	121	123	131	134
2 Total Federal Entities	127	127	123	121	139	152	154	150	137	129	129	121	123	131	134
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
4 Total U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
-Direct Service Industry-															
5 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
6 Total Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
-Generating Public Entities-															
7 Generating Public Entities	4831	4831	4803	5197	5899	6447	6579	6392	5881	5414	5400	5055	4890	4855	5519
8 Total Generating Public Entities	4831	4831	4803	5197	5899	6447	6579	6392	5881	5414	5400	5055	4890	4855	5519
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3603	3601	3315	3303	3737	4206	4330	4180	3631	3564	3555	3455	3595	3693	3717
10 Total Non-Generating Public Entities	3603	3601	3315	3303	3737	4206	4330	4180	3631	3564	3555	3455	3595	3693	3717
-Investor-Owned Entities-															
11 Investor-Owned Entities	11536	11536	11021	11547	12648	13686	14070	13441	12512	11920	11920	11361	11810	12064	12301
12 Total Investor-Owned Entities	11536	11536	11021	11547	12648	13686	14070	13441	12512	11920	11920	11361	11810	12064	12301
-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	406	406	316	218	164	167	169	163	174	343	343	393	411	459	282
16 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
17 Public Entities	8434	8432	8118	8500	9636	10653	10909	10572	9512	8979	8954	8510	8484	8547	9237
18 Investor-Owned Entities	11536	11536	11021	11547	12648	13686	14070	13441	12512	11920	11920	11361	11810	12064	12301
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	22306	22304	21385	22195	24377	26435	27077	26107	24128	23172	23147	22194	22636	23000	23750
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 Total Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- 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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- Total Regional Medium Loads-															
29 Federal Entities	406	406	316	218	164	167	169	163	174	343	343	393	411	459	282
30 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
31 Public Entities	8434	8432	8118	8500	9636	10653	10909	10572	9512	8979	8954	8510	8484	8547	9237
32 Investor-Owned Entities	11550	11550	11035	11561	12662	13700	14084	13455	12526	11934	11934	11375	11824	12078	12315
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Medium Loads	22320	22318	21399	22209	24391	26449	27091	26121	24142	23186	23161	22208	22650	23014	23764

**Table A-1: Medium Loads
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
Firm Loads															
-Federal Entities-															
1 Federal Entities	132	132	127	125	144	157	159	156	142	133	133	125	127	135	138
2 Total Federal Entities	132	132	127	125	144	157	159	156	142	133	133	125	127	135	138
-U.S. Bureau of Reclamation-															
3 U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
4 Total U.S. Bureau of Reclamation	278	278	193	97	24	15	15	13	37	214	214	271	288	329	148
-Direct Service Industry-															
5 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
6 Total Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
-Generating Public Entities-															
7 Generating Public Entities	5145	5145	5117	5535	6284	6871	7009	6842	6265	5768	5755	5384	5209	5171	5883
8 Total Generating Public Entities	5145	5145	5117	5535	6284	6871	7009	6842	6265	5768	5755	5384	5209	5171	5883
-Non-Generating Public Entities-															
9 Non-Generating Public Entities	3888	3886	3577	3572	4056	4571	4676	4515	3909	3830	3819	3711	3865	3957	4010
10 Total Non-Generating Public Entities	3888	3886	3577	3572	4056	4571	4676	4515	3909	3830	3819	3711	3865	3957	4010
-Investor-Owned Entities-															
11 Investor-Owned Entities	12712	12712	12159	12749	13953	15107	15530	14838	13810	13155	13155	12533	13007	13286	13570
12 Total Investor-Owned Entities	12712	12712	12159	12749	13953	15107	15530	14838	13810	13155	13155	12533	13007	13286	13570
-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	410	410	320	222	168	172	174	169	179	348	347	396	415	464	286
16 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
17 Public Entities	9033	9031	8693	9107	10341	11442	11684	11357	10174	9598	9574	9095	9074	9128	9893
18 Investor-Owned Entities	12712	12712	12159	12749	13953	15107	15530	14838	13810	13155	13155	12533	13007	13286	13570
19 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
20 Total Regional Firm Loads	24085	24083	23102	24008	26392	28651	29318	28294	26093	25030	25006	23955	24426	24808	25679
Non-Firm Loads															
-Investor-Owned Entities-															
21 Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 Total Investor-Owned Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- 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	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
- Total Regional Medium Loads-															
29 Federal Entities	410	410	320	222	168	172	174	169	179	348	347	396	415	464	286
30 Direct Service Industry	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
31 Public Entities	9033	9031	8693	9107	10341	11442	11684	11357	10174	9598	9574	9095	9074	9128	9893
32 Investor-Owned Entities	12726	12726	12173	12763	13967	15121	15544	14852	13824	13169	13169	12547	13021	13300	13584
33 Other Entities	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
34 Total Regional Medium Loads	24099	24097	23116	24022	26406	28665	29332	28308	26107	25044	25020	23969	24440	24822	25693

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-2
Exports
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-2: Exports
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

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 BPA to Other Entities	72	72	66	50	59	66	66	64	60	49	49	53	75	83	64
2 Total Exports to ECD	72	72	66	50	59	66	66	64	60	49	49	53	75	83	64
-Exports to Pacific Southwest-															
3 BPA to ANHM Pwr X	20	20	20	0	0	0	0	0	0	0	0	0	0	20	5
4 BPA to AZUS Cap S	2.7	2.7	2.7	0	0	0	0	0	0	0	0	0	0	0	0.4
5 BPA to AZUS Pwr S	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	3.6	3.6	0.8
6 BPA to BANN Cap S	0.9	0.9	0.9	0	0	0	0	0	0	0	0	0	0	0	0.1
7 BPA to BANN Pwr S	0.4	0.4	0.4	0	0	0	0	0	0	0	0	0	1.2	1.2	0.3
8 BPA to BART Pwr S	33	33	33	33	33	33	33	33	33	33	33	33	33	34	33
9 BPA to BURB C/N/X	12	12	12	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.9	12	12	8.4
10 BPA to CDWR Pwr X	163	163	0	0	0	0	0	0	0	0	0	0	0	0	14
11 BPA to CLTN Cap S	2.7	2.7	2.7	0	0	0	0	0	0	0	0	0	0	0	0.4
12 BPA to CLTN Pwr X	1.1	1.1	1.1	0	0	0	0	0	0	0	0	0	3.6	3.6	0.8
13 BPA to GLEN C/N/X	6.0	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	4.2
14 BPA to GNSA Pwr S	18	18	18	18	18	18	18	18	18	18	18	0	0	0	14
15 BPA to MSR Pwr S	94	94	91	73	58	76	75	74	45	46	46	44	112	112	75
16 BPA to Other Entities	529	529	527	583	581	579	628	629	628	729	729	728	728	628	625
17 BPA to PASA C/N/X	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.6	3.6	2.5
18 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
19 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
20 BPA to RVSD Cap S	0	0	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.8	0	0	3.0
21 BPA to RVSD C/N/X	6.8	6.8	6.8	6.8	0	0	0	0	0	0	0	0	6.8	6.8	2.8
22 BPA to RVSD C/N/X	11	11	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0	0	11	4.9
23 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
24 IPC to AZUS Pwr S	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
25 IPC to BANN Pwr S	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
26 IPC to CLTN Pwr S	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
27 PGE to BURB Pwr S	14	14	14	0	0	0	0	0	0	0	0	0	0	14	3.6
28 PGE to GLEN Pwr S	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
29 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
30 PPL to CDWR Pwr S	78	78	76	69	67	71	74	72	67	62	62	61	66	79	70
31 PPL to PPLNC Pwr S	73	73	26	5.5	-1.1	-6.4	-7.5	-20	-30	-22	-22	8.1	66	94	15
32 PPL to REDD Pwr S	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
33 PPL to SCE Pwr S	60	60	40	43	58	57	60	54	60	40	40	43	42	59	51
34 PPL to SMUD Pwr S	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
35 PSE to PG&E S/Pwr/X	141	141	141	0	0	0	0	0	0	0	0	0	141	141	47
36 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
37 SDGEB to SDGE Pwr S	59	59	59	59	59	59	59	59	59	59	59	31	59	59	57
38 SHPD to SMUD Pwr S	36	36	36	26	26	26	26	26	26	26	26	26	33	33	29
39 TIDB to TID Pwr S	40	40	40	40	40	40	40	40	40	40	40	21	40	40	39
40 BPA NW-SW Intertie Losses	27	27	22	22	21	22	23	23	22	25	25	26	28	25	24
41 Total Exports To PSW	1573	1573	1341	1126	1085	1099	1153	1133	1093	1180	1180	1177	1558	1536	1255
-Exports to Inland Southwest-															
42 BPA to SPP Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
43 CIDF to UPLCX Pwr S	14	14	0	0	0	0	0	0	0	0	0	0	17	18	4.2
44 IPC to CWUT Pwr S	6.7	6.7	6.7	5.3	3.8	3.9	5.1	4.9	4.7	4.1	4.1	4.1	5.5	0	4.6
45 IPC to UAMP Pwr S	74	74	66	27	23	39	39	19	16	31	31	35	47	75	41
46 LVFBR to WAPA Pwr S	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
47 PPL to WAPA Pwr S	116	116	116	116	116	116	108	108	108	108	108	108	108	108	111
48 TPU to WAPA Pwr S	41	41	69	67	40	29	20	23	32	41	41	41	41	41	41
49 Total Exports To ISW	363	363	369	296	264	268	253	236	242	295	295	299	330	354	297
-Exports to Canada-															
50 BPA to BCHP Can Ent	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292
51 Total Exports To Canada	292	292	292	292	292	292	292	292	292	292	292	292	292	292	292
-Exports to Other Entities-															
52 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
53 Federal Entities	1375	1375	1197	1150	1126	1149	1199	1196	1161	1285	1285	1301	1408	1322	1239
54 Public Entities	111	111	135	108	66	55	46	49	58	67	67	67	121	122	84
55 Investor-Owned Entities	679	679	601	372	373	386	384	344	332	329	329	365	591	685	453
56 Other Entities	135	135	135	135	135	135	135	135	135	135	135	87	135	135	131
57 Total Exports.	2300	2300	2069	1765	1700	1726	1765	1725	1687	1817	1817	1821	2255	2265	1908

**Table A-2: Exports
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Exports East of Continental Divide -															
1 BPA to Other Entities	84	84	77	66	80	88	88	85	79	65	65	68	94	106	82
2 Total Exports to ECD	84	84	77	66	80	88	88	85	79	65	65	68	94	106	82
-Exports to Pacific Southwest-															
3 BPA to BART Pwr S	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
4 BPA to BURB C/N/X	12	12	12	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.9	12	12	8.4
5 BPA to GLEN C/N/X	6.0	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	4.2
6 BPA to MSR Pwr S	94	94	91	0	0	0	0	0	0	0	0	0	0	0	15
7 BPA to Other Entities	275	275	275	275	275	275	275	275	275	375	375	375	375	275	300
8 BPA to PASA C/N/X	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.6	3.6	2.5
9 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
10 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
11 BPA to RVSD Cap S	0	0	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.8	0	0	3.0
12 BPA to RVSD C/N/X	6.8	6.8	6.8	6.8	0	0	0	0	0	0	0	0	6.8	6.8	2.8
13 BPA to RVSD C/N/X	11	11	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0	0	11	4.9
14 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
15 PGE to GLEN Pwr S	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
16 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
17 PPL to PPLNC Pwr S	77	77	29	9.5	2.9	-0.4	-3.5	-16	-27	-18	-18	12	71	98	20
18 PPL to REDD Pwr S	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
19 PPL to SCE Pwr S	60	60	40	43	58	57	60	54	60	40	40	43	42	59	51
20 PPL to SMUD Pwr S	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
21 PSE to PG&E S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
23 SDGEB to SDGE Pwr S	59	59	59	59	59	59	59	59	59	59	59	31	59	59	57
24 SHPD to SMUD Pwr S	36	36	36	26	26	26	26	26	26	26	26	26	33	33	29
25 TIDB to TID Pwr S	40	40	40	40	40	40	40	40	40	40	40	21	40	40	39
26 BPA NW-SW Intertie Losses	13	13	13	10	9.5	9.5	9.5	9.5	9.5	13	13	14	14	10	11
27 Total Exports To PSW	854	854	794	639	617	613	613	594	590	681	681	700	857	786	695
-Exports to Inland Southwest-															
28 BPA to SPP Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
29 CIDF to UPLCX Pwr S	14	14	0	0	0	0	0	0	0	0	0	0	17	18	4.2
30 LVFBR to WAPA Pwr S	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
31 Total Exports To ISW	125	125	111	81	81	81	81	81	81	111	111	111	128	129	100
-Exports to Canada-															
32 BPA to BCHP Can Ent	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535
33 Total Exports To Canada	535	535	535	535	535	535	535	535	535	535	535	535	535	535	535
-Exports to Other Entities-															
34 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
35 Federal Entities	1144	1144	1134	990	987	995	995	993	986	1106	1106	1142	1174	1070	1060
36 Public Entities	70	70	66	40	26	26	26	26	26	26	26	26	80	82	43
37 Investor-Owned Entities	249	249	181	156	164	160	160	141	136	125	125	158	225	269	177
38 Other Entities	135	135	135	135	135	135	135	135	135	135	135	87	135	135	131
39 Total Exports.	1598	1598	1517	1321	1313	1316	1316	1295	1284	1392	1392	1414	1614	1556	1411

**Table A-2: Exports
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Exports East of Continental Divide -															
1 BPA to Other Entities	103	103	93	80	96	107	105	103	97	79	80	83	115	130	99
2 Total Exports to ECD	103	103	93	80	96	107	105	103	97	79	80	83	115	130	99
-Exports to Pacific Southwest-															
3 BPA to BART Pwr S	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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 Pwr S	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 PPLNC Pwr S	80	80	31	12	4.3	0.6	-2.3	-14	-26	-4.5	-4.5	13	72	100	22
11 PPL to REDD Pwr S	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
12 PPL to SMUD Pwr S	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 SDGEB to SDGE Pwr S	59	59	59	59	59	59	59	59	59	59	59	31	59	59	57
15 SHPD to SMUD Pwr S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 TIDB to TID Pwr S	40	40	40	40	40	40	40	40	40	40	40	21	40	40	39
17 BPA NW-SW Intertie Losses	1.2	1.2	1.2	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.2	1.1
18 Total Exports To PSW	351	351	314	266	235	232	229	217	206	227	227	222	368	383	271
-Exports to Inland Southwest-															
19 BPA to SPP Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
20 CIDF to UPLCX Pwr S	14	14	0	0	0	0	0	0	0	0	0	0	17	18	4.2
21 LVFBR to WAPA Pwr S	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
22 Total Exports To ISW	125	125	111	81	81	81	81	81	81	111	111	111	128	129	100
-Exports to Canada-															
23 BPA to BCHP Can Ent	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524
24 Total Exports To Canada	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524
-Exports to Other Entities-															
25 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-															
26 Federal Entities	743	743	733	685	693	705	703	700	694	707	707	737	768	770	720
27 Public Entities	34	34	30	14	0	0	0	0	0	0	0	0	47	48	14
28 Investor-Owned Entities	191	191	143	115	107	104	101	88	78	98	98	116	184	212	128
29 Other Entities	135	135	135	135	135	135	135	135	135	135	135	87	135	135	131
30 Total Exports.	1104	1104	1042	950	936	944	939	924	907	941	941	940	1134	1165	994

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-3
Regulated Hydro Projects
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-3: Regulated Hydro Projects
PNW Loads and Resources Study
2001 - 2002 Operating Year
1937 Water Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Regulated Hydro Projects-															
1 Albeni Falls	24	22	26	33	18	18	14	15	17	18	19	29	47	41	25
2 Alder	22	45	5.6	5.7	17	22	5.5	38	17	42	42	41	41	5.6	23
3 Bonneville	184	139	470	479	470	556	465	514	458	502	304	396	304	239	410
4 Boundary	205	182	235	488	262	287	193	214	248	281	413	516	571	430	332
5 Box Canyon	33	29	37	68	41	44	31	34	38	44	60	71	73	59	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	54	39	41	63	74	81	56	59	64	52	84	172	179	124	86
8 Chelan	52	52	18	50	50	55	54	54	52	29	32	54	4.3	57	44
9 Chief Joseph	1268	1182	957	1015	1025	1281	980	1105	694	713	795	1344	1020	1170	1047
10 Cushman 1	22	40	1.7	1.7	27	24	1.4	27	1.3	27	24	22	18	1.1	15
11 Cushman 2	35	69	0	0.1	51	50	0.6	63	0.4	62	59	56	51	0	32
12 Diablo	142	88	36	35	104	97	36	44	40	38	41	74	172	154	79
13 Dworshak	380	202	51	51	51	51	50	50	50	51	52	56	283	381	118
14 Faraday	9.5	9.4	7	7.5	8	17	9.9	19	31	43	42	43	37	13	20
15 Gorge	153	100	45	43	117	114	43	52	52	52	56	92	182	168	91
16 Grand Coulee	2315	2156	1747	1860	1875	2327	1796	1980	1158	1220	1424	2450	1876	2172	1900
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	91	80	76	85	89	90	92	92	88	66	3	3.2	16	171	77
19 Ice Harbor	58	59	122	139	97	103	125	107	183	59	58	57	58	58	97
20 John Day	722	645	747	777	767	920	752	836	699	767	747	989	871	817	801
21 Kerr	25	20	16	30	26	22	23	14	18	11	13	41	51	56	28
22 La Grande	34	63	8.3	8.3	29	38	8.3	63	31	63	63	63	63	8.3	36
23 Libby	304	283	193	169	148	142	80	79	220	72	72	77	89	362	161
24 Little Falls	12	9.2	14	13	8.6	18	7.1	21	24	31	31	30	34	14	19
25 Little Goose	225	167	133	139	98	102	126	93	175	248	300	507	380	284	209
26 Long Lake	28	22	31	31	20	41	17	46	51	69	72	72	72	33	43
27 Lower Baker	43	71	9.9	45	33	46	1.3	22	6.9	67	59	58	67	19	36
28 Lower Granite	231	171	139	137	98	103	128	94	178	242	308	511	389	291	212
29 Lower Monumental	228	168	127	141	97	103	126	107	186	264	316	514	392	292	214
30 Mayfield	78	33	41	55	55	55	55	172	70	166	161	8.4	54	47	69
31 Mc Nary	710	643	516	534	501	619	517	560	461	506	359	592	454	710	548
32 Merwin	15	16	15	19	60	97	66	53	78	108	105	13	51	24	50
33 Monroe Street	7.3	5.8	11	10	5	10	10	10	15	15	15	15	15	11	11
34 Mossyrock	146	59	72	88	88	65	78	253	56	191	139	0	76	85	94
35 Nine Mile	7.3	5.7	9.7	9.5	4.9	9.5	9.3	10	15	23	23	22	24	10	13
36 North Fork	11	10	7.8	8.3	8.9	19	11	21	34	54	47	53	42	14	23
37 Noxon	74	56	57	95	115	120	82	86	90	81	107	269	286	176	128
38 Oak Grove	31	34	16	24	30	29	24	34	19	34	34	34	34	19	27
39 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
40 Pelton	43	40	30	29	36	35	34	35	33	43	48	40	39	30	36
41 Post Falls	3.3	2.5	5.5	5.7	2.2	5.8	6.3	6.1	10	15	14	14	15	5.2	7.8
42 Priest Rapids	293	277	411	441	443	546	428	475	306	39	46	95	195	288	330
43 River Mill	5.5	5.4	4	4.3	4.6	10	5.7	11	18	23	23	23	21	7.2	11
44 Rock Island PH#1	192	181	162	169	169	186	166	175	130	134	160	189	197	194	172
45 Rock Island PH#2	93	133	120	130	130	164	126	142	89	71	26	120	89	78	112
46 Rocky Reach	614	608	497	533	537	662	519	577	374	375	368	606	584	568	537
47 Ross	138	76	25	33	118	101	38	46	37	35	36	61	232	151	82
48 Round Butte	109	99	74	71	89	85	82	84	81	107	119	99	95	73	87
49 Swift 1	52	26	17	30	147	98	25	26	64	124	99	0	92	47	58
50 Swift 2	15	7.6	4.8	8.7	49	39	12	12	31	59	47	0	28	13	22
51 The Dalles	294	296	594	609	608	728	603	666	572	606	395	377	328	303	515
52 Thompson Falls	13	11	9.1	13	11	9.6	9.5	7.2	9.4	7.2	9.0	24	24	22	13
53 Upper Baker	40	86	5.9	23	36	32	0	19	22	34	32	55	84	14	32
54 Upper Falls	6.4	5.2	9.4	8.9	4.5	9	9.1	9.3	10	9.5	8.6	8.3	9.3	9.6	8.5
55 Wanapum	338	316	355	386	389	503	372	424	253	171	196	396	356	331	356
56 Wells	400	391	320	338	340	424	326	365	228	235	241	415	374	365	344
57 White	31	55	0	5.3	29	34	0.2	24	35	48	53	60	63	48	33
58 Yale	47	22	7.8	28	114	104	72	32	76	102	111	0	85	30	57
Total Regulated Hydro w/Enc.	11234	10205	9234	10180	10184	11902	9462	10492	8550	9243	9208	12591	11704	11781	10502
-Total Regulated Hydro w/Enc.-															
59 Federal System	7034	6213	5897	6168	5943	7143	5856	6297	5140	5335	5154	7902	6507	7292	6334
60 Public Entities	1763	1509	1232	1637	1765	1920	1282	1880	1187	1406	1513	1661	2193	1846	1642
61 Investor-Owned Entities	2296	2342	1991	2253	2353	2687	2205	2182	2137	2416	2457	2889	2871	2512	2403
62 Other Entities	141	140	114	123	123	152	119	133	86	86	85	139	134	131	123
63 Total Regulated Hydro w/Enc.	11234	10205	9234	10180	10184	11902	9462	10492	8550	9243	9208	12591	11704	11781	10502

**Table A-3: Regulated Hydro Projects
PNW Loads and Resources Study
2005 - 2006 Operating Year
1937 Water Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Regulated Hydro Projects-															
1 Albeni Falls	24	22	26	33	18	18	14	15	17	18	19	29	47	41	25
2 Alder	22	45	5.6	5.7	17	22	5.5	38	17	42	42	41	41	5.6	23
3 Bonneville	187	142	476	485	477	564	473	520	464	510	310	400	308	242	415
4 Boundary	205	182	235	488	262	287	193	214	248	281	413	516	571	430	332
5 Box Canyon	33	29	37	68	41	44	31	34	38	44	60	71	73	59	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	54	39	41	63	74	81	56	59	64	52	84	172	179	124	86
8 Chelan	52	52	18	50	50	55	54	54	52	29	32	54	4.3	57	44
9 Chief Joseph	1287	1195	968	1026	1039	1296	997	1114	704	727	811	1362	1033	1180	1061
10 Cushman 1	22	40	1.7	1.7	27	24	1.4	27	1.3	27	24	22	18	1.1	15
11 Cushman 2	35	69	0	0.1	51	50	0.6	63	0.4	62	59	56	51	0	32
12 Diablo	142	88	36	35	104	97	36	44	40	38	41	74	172	154	79
13 Dworshak	380	202	51	51	51	51	50	50	50	51	52	56	283	381	118
14 Faraday	9.5	9.4	7	7.5	8	17	9.9	19	31	43	42	43	37	13	20
15 Gorge	153	100	45	43	117	114	43	52	52	52	56	92	182	168	91
16 Grand Coulee	2331	2167	1756	1870	1888	2340	1810	1988	1166	1231	1437	2464	1887	2181	1911
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	91	80	76	85	89	90	92	92	88	66	3	3.2	16	171	77
19 Ice Harbor	58	59	122	139	97	103	125	107	183	59	58	57	58	58	97
20 John Day	722	645	747	777	767	920	752	836	699	767	747	989	871	817	801
21 Kerr	20	16	15	29	26	27	28	17	18	11	13	41	51	45	27
22 La Grande	34	63	8.3	8.3	29	38	8.3	63	31	63	63	63	63	8.3	36
23 Libby	304	283	193	169	148	142	80	79	220	72	72	77	89	362	161
24 Little Falls	12	9.2	14	13	8.6	18	7.1	21	24	31	31	30	34	14	19
25 Little Goose	225	167	133	139	98	102	126	93	175	248	300	507	380	284	209
26 Long Lake	28	22	31	31	20	41	17	46	51	69	72	72	72	33	43
27 Lower Baker	43	71	9.9	45	33	46	1.3	22	6.9	67	59	58	67	19	36
28 Lower Granite	231	171	139	137	98	103	128	94	178	242	308	511	389	291	212
29 Lower Monumental	228	168	127	141	97	103	126	107	186	264	316	514	392	292	214
30 Mayfield	78	33	41	55	55	55	55	172	70	166	161	8.4	54	47	69
31 Mc Nary	710	643	516	534	501	619	517	560	461	506	359	592	454	710	548
32 Merwin	15	16	15	19	60	97	66	53	78	108	105	13	51	24	50
33 Monroe Street	7.3	5.8	11	10	5	10	10	10	15	15	15	15	15	11	11
34 Mossyrock	146	59	72	88	88	65	78	253	56	191	139	0	76	85	94
35 Nine Mile	7.3	5.7	9.7	9.5	4.9	9.5	9.3	10	15	23	23	22	24	10	13
36 North Fork	11	10	7.8	8.3	8.9	19	11	21	34	54	47	53	42	14	23
37 Noxon	74	56	57	95	115	120	82	86	90	81	107	269	286	176	128
38 Oak Grove	31	34	16	24	30	29	24	34	19	34	34	34	34	19	27
39 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
40 Pelton	43	40	30	29	36	35	34	35	33	43	48	40	39	30	36
41 Post Falls	3.3	2.5	5.5	5.7	2.2	5.8	6.3	6.1	10	15	14	14	15	5.2	7.8
42 Priest Rapids	293	277	411	441	443	546	428	475	306	39	46	95	195	288	330
43 River Mill	5.5	5.4	4	4.3	4.6	10	5.7	11	18	23	23	23	21	7.2	11
44 Rock Island PH#1	192	181	162	169	169	186	166	175	130	134	160	189	197	194	172
45 Rock Island PH#2	93	133	120	130	130	164	126	142	89	71	26	120	89	78	112
46 Rocky Reach	614	608	497	533	537	662	519	577	374	375	368	606	584	568	537
47 Ross	138	76	25	33	118	101	38	46	37	35	36	61	232	151	82
48 Round Butte	109	99	74	71	89	85	82	84	81	107	119	99	95	73	87
49 Swift 1	52	26	17	30	147	98	25	26	64	124	99	0	92	47	58
50 Swift 2	15	7.6	4.8	8.7	49	39	12	12	31	59	47	0	28	13	22
51 The Dalles	294	296	594	609	608	728	603	666	572	606	395	377	328	303	515
52 Thompson Falls	11	9	9.0	13	11	12	12	8.9	9.3	7.1	8.9	24	24	18	13
53 Upper Baker	40	86	5.9	23	36	32	0	19	22	34	32	55	84	14	32
54 Upper Falls	6.4	5.2	9.4	8.9	4.5	9	9.1	9.3	10	9.5	8.6	8.3	9.3	9.6	8.5
55 Wanapum	338	316	355	386	389	503	372	424	253	171	196	396	356	331	356
56 Wells	400	391	320	338	340	424	326	365	228	235	241	415	374	365	344
57 White	31	55	0	5.3	29	34	0.2	24	35	48	53	60	63	48	33
58 Yale	47	22	7.8	28	114	104	72	32	76	102	111	0	85	30	57
Total Regulated Hydro w/Enc.	11266	10227	9261	10207	10217	11946	9507	10520	8572	9278	9241	12626	11732	11787	10532
-Total Regulated Hydro w/Enc.-															
59 Federal System	7073	6242	5923	6195	5976	7180	5894	6320	5163	5370	5187	7938	6535	7314	6364
60 Public Entities	1791	1549	1268	1676	1990	2198	1499	2122	1342	1444	1540	1737	2301	1982	1773
61 Investor-Owned Entities	2260	2296	1955	2213	2128	2416	1995	1946	1982	2378	2429	2812	2762	2360	2271
62 Other Entities	141	140	114	123	123	152	119	133	86	86	85	139	134	131	123
63 Total Regulated Hydro w/Enc.	11266	10227	9261	10207	10217	11946	9507	10520	8572	9278	9241	12626	11732	11787	10532

**Table A-3: Regulated Hydro Projects
PNW Loads and Resources Study
2010 - 2011 Operating Year
1937 Water Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Regulated Hydro Projects-															
1 Albeni Falls	24	22	26	33	18	18	14	15	17	18	19	29	47	41	25
2 Alder	22	45	5.6	5.7	17	22	5.5	38	17	42	42	41	41	5.6	23
3 Bonneville	188	143	478	487	480	567	476	522	467	513	312	402	309	243	417
4 Boundary	205	182	235	488	262	287	193	214	248	281	413	516	571	430	332
5 Box Canyon	33	29	37	68	41	44	31	34	38	44	60	71	73	59	48
6 Brownlee	232	259	238	240	155	158	252	146	258	324	324	305	192	312	235
7 Cabinet Gorge	54	39	41	63	74	81	56	59	64	52	84	172	179	124	86
8 Chelan	52	52	18	50	50	55	54	54	52	29	32	54	4.3	57	44
9 Chief Joseph	1299	1204	975	1034	1048	1306	1007	1120	709	737	821	1373	1042	1187	1069
10 Cushman 1	22	40	1.7	1.7	27	24	1.4	27	1.3	27	24	22	18	1.1	15
11 Cushman 2	35	69	0	0.1	51	50	0.6	63	0.4	62	59	56	51	0	32
12 Diablo	142	88	36	35	104	97	36	44	40	38	41	74	172	154	79
13 Dworshak	380	202	51	51	51	51	50	50	50	51	52	56	283	381	118
14 Faraday	9.5	9.4	7	7.5	8	17	9.9	19	31	43	42	43	37	13	20
15 Gorge	153	100	45	43	117	114	43	52	52	52	56	92	182	168	91
16 Grand Coulee	2342	2174	1762	1876	1895	2349	1819	1993	1171	1239	1444	2472	1894	2187	1918
17 Hells Canyon	193	218	202	208	133	127	198	114	194	244	245	239	152	246	189
18 Hungry Horse	91	80	76	85	89	90	92	92	88	66	3	3.2	16	171	77
19 Ice Harbor	58	59	122	139	97	103	125	107	183	59	58	57	58	58	97
20 John Day	722	645	747	777	767	920	752	836	699	767	747	989	871	817	801
21 Kerr	21	16	16	30	36	37	38	24	25	16	19	50	52	46	32
22 La Grande	34	63	8.3	8.3	29	38	8.3	63	31	63	63	63	63	8.3	36
23 Libby	304	283	193	169	148	142	80	79	220	72	72	77	89	362	161
24 Little Falls	12	9.2	14	13	8.6	18	7.1	21	24	31	31	30	34	14	19
25 Little Goose	225	167	133	139	98	102	126	93	175	248	300	507	380	284	209
26 Long Lake	28	22	31	31	20	41	17	46	51	69	72	72	72	33	43
27 Lower Baker	43	71	9.9	45	33	46	1.3	22	6.9	67	59	58	67	19	36
28 Lower Granite	231	171	139	137	98	103	128	94	178	242	308	511	389	291	212
29 Lower Monumental	228	168	127	141	97	103	126	107	186	264	316	514	392	292	214
30 Mayfield	78	33	41	55	55	55	55	172	70	166	161	8.4	54	47	69
31 Mc Nary	710	643	516	534	501	619	517	560	461	506	359	592	454	710	548
32 Merwin	15	16	15	19	60	97	66	53	78	108	105	13	51	24	50
33 Monroe Street	7.3	5.8	11	10	5	10	10	10	15	15	15	15	15	11	11
34 Mossyrock	146	59	72	88	88	65	78	253	56	191	139	0	76	85	94
35 Nine Mile	7.3	5.7	9.7	9.5	4.9	9.5	9.3	10	15	23	23	22	24	10	13
36 North Fork	11	10	7.8	8.3	8.9	19	11	21	34	54	47	53	42	14	23
37 Noxon	74	56	57	95	115	120	82	86	90	81	107	269	286	176	128
38 Oak Grove	31	34	16	24	30	29	24	34	19	34	34	34	34	19	27
39 Oxbow	101	114	106	109	69	65	103	58	100	125	125	120	75	128	97
40 Pelton	43	40	30	29	36	35	34	35	33	43	48	40	39	30	36
41 Post Falls	3.3	2.5	5.5	5.7	2.2	5.8	6.3	6.1	10	15	14	14	15	5.2	7.8
42 Priest Rapids	293	277	411	441	443	546	428	475	306	39	46	95	195	288	330
43 River Mill	5.5	5.4	4	4.3	4.6	10	5.7	11	18	23	23	23	21	7.2	11
44 Rock Island PH#1	192	181	162	169	169	186	166	175	130	134	160	189	197	194	172
45 Rock Island PH#2	93	133	120	130	130	164	126	142	89	71	26	120	89	78	112
46 Rocky Reach	614	608	497	533	537	662	519	577	374	375	368	606	584	568	537
47 Ross	138	76	25	33	118	101	38	46	37	35	36	61	232	151	82
48 Round Butte	109	99	74	71	89	85	82	84	81	107	119	99	95	73	87
49 Swift 1	52	26	17	30	147	98	25	26	64	124	99	0	92	47	58
50 Swift 2	15	7.6	4.8	8.7	49	39	12	12	31	59	47	0	28	13	22
51 The Dalles	294	296	594	609	608	728	603	666	572	606	395	377	328	303	515
52 Thompson Falls	11	9.3	9.2	14	15	16	16	12	13	10	13	29	24	19	16
53 Upper Baker	40	86	5.9	23	36	32	0	19	22	34	32	55	84	14	32
54 Upper Falls	6.4	5.2	9.4	8.9	4.5	9	9.1	9.3	10	9.5	8.6	8.3	9.3	9.6	8.5
55 Wanapum	338	316	355	386	389	503	372	424	253	171	196	396	356	331	356
56 Wells	400	391	320	338	340	424	326	365	228	235	241	415	374	365	344
57 White	31	55	0	5.3	29	34	0.2	24	35	48	53	60	63	48	33
58 Yale	47	22	7.8	28	114	104	72	32	76	102	111	0	85	30	57
Total Regulated Hydro w/Enc.	11290	10244	9276	10224	10250	11980	9543	10543	8597	9306	9271	12661	11751	11802	10557
-Total Regulated Hydro w/Enc.-															
59 Federal System	7097	6258	5938	6211	5995	7200	5915	6333	5176	5389	5206	7959	6552	7327	6382
60 Public Entities	2105	1843	1640	2078	2209	2482	1709	2361	1484	1540	1651	1960	2501	2169	2014
61 Investor-Owned Entities	1947	2003	1583	1812	1923	2146	1799	1716	1851	2290	2329	2603	2564	2175	2038
62 Other Entities	141	140	114	123	123	152	119	133	86	86	85	139	134	131	123
63 Total Regulated Hydro w/Enc.	11290	10244	9276	10224	10250	11980	9543	10543	8597	9306	9271	12661	11751	11802	10557

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-4
Independent Hydro Projects
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
2001 - 2002 Operating Year
1937 Water Year
2000 White Book**

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 Black Eagle	5.2	5.3	4.0	4	3	2.7	2.8	2.6	2.9	2.8	2.7	3.9	3.9	4.7	3.5
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 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
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 Cndt Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cochrane	8.6	8.8	6.6	6.6	5.0	4.5	4.7	4.4	4.7	4.6	4.5	6.4	6.4	7.7	5.9
19 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
20 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
21 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
22 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
23 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
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 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
28 Hauser	4.5	4.6	3.4	3.5	2.6	2.4	2.4	2.3	2.5	2.4	2.4	3.4	3.4	4	3.1
29 Hebgren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
31 Holter	9.3	9.5	7.1	7.1	5.4	4.9	5	4.7	5.1	5.0	4.9	6.9	6.9	8.3	6.3
32 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
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
39 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
40 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
41 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
42 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
43 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
44 Madison	2.8	2.8	2.1	2.1	1.6	1.5	1.5	1.4	1.5	1.5	1.4	2.1	2.1	2.5	1.9
45 McNary Fishway	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	7.2
46 Mill Creek	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
47 Milltown/Flint Creek	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.4	0.2	0.2	0.3	0.6	0	0.3
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Morony	9.6	9.8	7.3	7.4	5.6	5	5.2	4.8	5.3	5.1	5	7.1	7.1	8.6	6.5
51 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
52 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
53 Mystic Lake	2.4	2.4	1.8	1.8	1.4	1.3	1.3	1.2	1.3	1.3	1.2	1.8	1.8	2.1	1.6
54 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
55 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
56 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
57 Rainbow	11	11	8.4	8.5	6.4	5.8	6.0	5.6	6.1	5.9	5.8	8.2	8.2	9.9	7.5
58 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
59 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
60 Roza total	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
61 Ryan	1.9	2.0	1.5	1.5	1.1	1	1	1.0	1.1	0.8	0.8	1.1	1.4	1.7	1.3
62 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
63 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
64 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
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
67 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
70 The Dalles Fishway	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
71 Trail Bridge	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
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
2001 - 2002 Operating Year
1937 Water Year
2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 Wlterville	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
77 Wyochee	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
78 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1103	1131	1052	1024	934	998	812	825	975	1241	1294	1593	1643	1209	1121
-Total Independent Hydro W/Enc.-															
79 Federal System	435	443	367	389	307	242	180	200	279	442	523	729	775	471	405
80 Public Entities	120	122	116	124	123	190	131	116	157	193	192	214	226	162	156
81 Investor-Owned Entities	547	566	569	512	503	565	501	509	539	606	579	651	642	576	560
82 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Independent Hydro w/Enc.	1103	1131	1052	1024	934	998	812	825	975	1241	1294	1593	1643	1209	1121

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
2005 - 2006 Operating Year
1937 Water Year
2000 White Book**

10/1/2001

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 Black Eagle	4.2	4.2	3.9	4.0	3.0	3.3	3.4	3.3	2.8	2.7	2.7	3.9	3.9	3.7	3.5
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 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
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 C.J. Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Cndt Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cochrane	6.9	7	6.5	6.6	5.0	5.5	5.7	5.4	4.7	4.6	4.5	6.4	6.4	6.2	5.8
19 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
20 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
21 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
22 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
23 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
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 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
28 Hauser	3.6	3.7	3.4	3.4	2.6	2.9	3.0	2.8	2.4	2.4	2.3	3.3	3.3	3.2	3
29 Hebgren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
31 Holter	7.4	7.6	7	7.1	5.3	6.0	6.1	5.8	5	4.9	4.8	6.9	6.9	6.7	6.3
32 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
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
39 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
40 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
41 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
42 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
43 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
44 Madison	2.2	2.3	2.1	2.1	1.6	1.8	1.8	1.7	1.5	1.5	1.4	2.1	2.1	2.0	1.9
45 McNary Fishway	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	7.2
46 Mill Creek	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Morony	7.7	7.8	7.2	7.3	5.5	6.2	6.3	6	5.2	5.1	5.0	7.1	7.1	6.9	6.5
51 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
52 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
53 Mystic Lake	1.9	2.0	1.8	1.8	1.4	1.5	1.6	1.5	1.3	1.3	1.2	1.8	1.8	1.7	1.6
54 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
55 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
56 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
57 Rainbow	8.8	9	8.4	8.5	6.3	7.1	7.3	6.9	6.0	5.8	5.7	8.2	8.2	7.9	7.5
58 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
59 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
60 Roza total	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
61 Ryan	1.5	1.6	1.5	1.5	1.1	1.2	1.3	1.2	1	0.8	0.8	1.1	1.4	1.4	1.3
62 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
63 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
64 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
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
67 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
70 The Dalles Fishway	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
71 Trail Bridge	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
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
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2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 Wlterville	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
77 Wyochee	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
78 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1092	1120	1051	1024	933	1004	819	832	974	1240	1294	1593	1643	1200	1121
-Total Independent Hydro W/Enc.-															
79 Federal System	442	450	375	389	307	242	180	200	279	442	523	729	775	471	406
80 Public Entities	120	122	116	124	123	190	131	116	157	193	192	214	226	162	156
81 Investor-Owned Entities	529	548	561	512	503	572	508	516	539	605	579	651	642	567	558
82 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Independent Hydro w/Enc.	1092	1120	1051	1024	933	1004	819	832	974	1240	1294	1593	1643	1200	1121

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
2010 - 2011 Operating Year
1937 Water Year
2000 White Book**

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 Black Eagle	4.3	4.4	4	4.1	4.2	4.5	4.6	4.5	4	4	3.9	4.7	4.0	3.9	4.2
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 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
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 C.J. Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 Cndt Sm Plts	23	23	23	20	19	23	20	21	31	36	36	37	37	28	26
18 Cochrane	7.1	7.2	6.7	6.8	6.9	7.5	7.7	7.5	6.7	6.7	6.5	7.8	6.6	6.4	7
19 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
20 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
21 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
22 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
23 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
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 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
28 Hauser	3.7	3.8	3.5	3.5	3.6	3.9	4	3.9	3.5	3.5	3.4	4	3.4	3.3	3.7
29 Hebgren	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
31 Holter	7.6	7.8	7.2	7.3	7.4	8.1	8.3	8.1	7.2	7.2	7	8.3	7.1	6.9	7.5
32 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
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
39 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
40 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
41 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
42 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
43 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
44 Madison	2.3	2.3	2.1	2.2	2.2	2.4	2.5	2.4	2.2	2.2	2.1	2.5	2.1	2.1	2.3
45 McNary Fishway	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	7.2
46 Mill Creek	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Morony	7.9	8	7.4	7.5	7.7	8.3	8.5	8.3	7.5	7.4	7.3	8.6	7.3	7.1	7.8
51 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
52 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
53 Mystic Lake	2.0	2	1.8	1.9	1.9	2.1	2.1	2.1	1.9	1.9	1.8	2.1	1.8	1.8	1.9
54 North Umpqua	93	93	89	85	82	86	82	92	95	141	141	171	162	104	107
55 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
56 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
57 Rainbow	9.1	9.3	8.5	8.7	8.8	9.6	9.8	9.6	8.6	8.6	8.4	9.9	8.4	8.2	9.0
58 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
59 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
60 Roza total	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
61 Ryan	1.6	1.6	1.5	1.5	1.5	1.7	1.7	1.7	1.5	1.2	1.2	1.4	1.5	1.4	1.5
62 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
63 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
64 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
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26	28
67 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
70 The Dalles Fishway	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
71 Trail Bridge	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
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6

**Table A-4: Independent Hydro Projects
PNW Loads and Resources Study
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1937 Water Year
2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 Wlterville	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
77 Wyochee	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
78 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	1093	1121	1052	1025	946	1017	832	845	987	1254	1307	1602	1644	1201	1128
-Total Independent Hydro W/Enc.-															
79 Federal System	442	450	375	389	307	242	180	200	279	442	523	729	775	471	406
80 Public Entities	120	122	116	124	123	190	131	116	157	193	192	214	226	162	156
81 Investor-Owned Entities	530	549	562	513	515	584	521	530	552	619	592	660	643	568	566
82 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Independent Hydro w/Enc.	1093	1121	1052	1025	946	1017	832	845	987	1254	1307	1602	1644	1201	1128

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-5
Imports
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-5: Imports
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Imports From East of Continental Divide-															
1 BEPC To MPC Pwr S	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 PPLE To BPA Pwr S	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 PPLE To PPL Pwr S	821	821	518	579	536	785	791	791	657	677	677	726	859	889	719
4 Total Imports From ECD	834	834	560	687	781	1085	1064	1020	858	850	850	726	877	922	855
-Imports From Pacific Southwest-															
5 ANHM To BPA Pwr X	0	0	0	20	20	20	20	20	20	0	0	0	0	0	10
6 BURB To BPA Xchg Nrg	5.8	5.8	5.8	5.8	8.5	11	11	11	11	11	5.8	5.8	5.8	5.8	8
7 BURB To BPA Pk Repl	12	12	12	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.9	12	12	8.4
8 CDWR To BPA Pwr X	0	0	0	0	0	0	179	0	0	0	0	0	0	0	15
9 CLTN To BPA Pwr X	0	0	0	0	3	3	3	3	0	0	0	0	0	0	1
10 GLEN To BPA Xchg Nrg	2.9	2.9	2.9	2.9	4.2	5.6	5.6	5.6	5.6	5.6	2.9	2.9	2.9	2.9	4
11 GLEN To BPA Pk Repl	6.0	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	4.2
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	12
14 Other Entities To BPA	113	112	120	254	253	252	25	25	25	25	25	25	25	25	97
15 PASA To BPA Xchg Nrg	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 Pk Repl	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.6	3.6	2.5
17 PASA To BPA Xchg Nrg	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 Pk Repl	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	141	141	141	141	0	0	0	0	0	0	47
21 RVSD To BPA Xchg Nrg	0	0	0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	0	0	0	0	3.1
22 RVSD To BPA Pk Repl	0	0	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.8	0	0	3.0
23 RVSD To BPA Pk Repl	6.8	6.8	6.8	6.8	0	0	0	0	0	0	0	0	6.8	6.8	2.8
24 RVSD To BPA Xchg Nrg	0	0	0	0	16	16	16	16	16	16	0	0	0	0	7.3
25 RVSD To BPA S/Pwr/X	0	0	0	0	9.2	9.2	9.2	9.2	9.2	9.2	0	0	0	0	4.2
26 RVSD To BPA Pk Repl	11	11	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0	0	11	4.9
27 SCE To PPL Pwr S	0	0	0	21	42	42	42	42	21	0	0	0	0	0	18
28 Total Imports From PSW	167	166	178	349	560	571	523	344	167	101	60	58	64	79	262
-Imports From Inland Southwest-															
29 Other Entities To BPA	0	0	0	0	0	0	50	50	50	50	50	0	0	50	21
30 SPP To BPA Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
31 UPLCX To UPLC Pwr S	456	456	332	289	303	276	337	337	320	307	307	341	479	536	360
32 WAPA To GLEC ARP	0	0	0	2.9	3.3	3.7	3.8	4	3.3	3.3	3.3	2.8	3.1	3.3	2.8
33 Total Imports From ISW	531	531	407	337	351	325	436	436	419	436	436	419	557	665	443
-Imports From Canada-															
34 BCHP To SCL Pwr S	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
35 Other Entities To BPA	0	0	0	7.6	10	12	12	12	0	0	0	0	0	0	4.5
36 Other Entities To PGE	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
37 PWRX To BPA Pk Repl	2.7	2.7	2.7	0	0	0	0	0	0	0	0	0	0	0	0.4
38 PWRX To BPA Pk Repl	0.9	0.9	0.9	0	0	0	0	0	0	0	0	0	0	0	0.1
39 PWRX To BPA Pk Repl	2.7	2.7	2.7	0	0	0	0	0	0	0	0	0	0	0	0.4
40 PWRX To BREA ARP	0	0	0	32	27	29	27	2.3	0	0	0	0	0	0	9.8
41 PWRX To BREA Pwr S	45	45	40	0	0	0	0	0	0	0	0	0	0	0	7.1
42 PWRX To COPD Pwr S	54	54	54	0	0	0	0	0	0	0	0	0	0	0	9
43 PWRX To CWPC Pwr S	8.2	8.2	7.8	0	0	0	0	0	0	0	0	0	0	0	1.3
44 PWRX To EWEB Pwr S	16	16	17	19	22	24	26	24	22	20	20	18	17	16	20
45 Total Imports From Canada	248	248	238	177	194	211	223	206	181	148	148	144	153	140	188
-Imports From Other Entities-															
46 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
47 Federal System	261	260	301	489	561	621	597	373	328	309	268	133	157	238	362
48 Public Entities	142	142	132	72	111	132	144	128	115	57	57	46	56	43	98
49 Investor-Owned Entities	1377	1377	950	989	1215	1438	1504	1504	1183	1168	1168	1167	1438	1525	1288
50 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Imports.	1780	1779	1383	1550	1887	2191	2245	2005	1626	1534	1493	1347	1651	1806	1749

Table A-5: Imports
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Imports From East of Continental Divide-															
1 BEPC To MPC Pwr S	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 PPLE To BPA Pwr S	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 PPLE To PPL Pwr S	818	818	691	607	683	696	695	676	514	533	533	452	750	806	660
4 Total Imports From ECD	831	831	733	715	928	995	967	905	715	707	707	452	768	839	796
-Imports From Pacific Southwest-															
5 BURB To BPA Xchg Nrg	5.8	5.8	5.8	5.8	8.5	11	11	11	11	11	5.8	5.8	5.8	5.8	8
6 BURB To BPA Pk Repl	12	12	12	8.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.9	12	12	8.4
7 GLEN To BPA Xchg Nrg	2.9	2.9	2.9	2.9	4.2	5.6	5.6	5.6	5.6	5.6	2.9	2.9	2.9	2.9	4
8 GLEN To BPA Pk Repl	6.0	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	4.2
9 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
10 NCPA To SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	12
11 PASA To BPA Xchg Nrg	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
12 PASA To BPA Pk Repl	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	3.6	3.6	2.5
13 PASA To BPA Xchg Nrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
14 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
15 PASA To BPA Pk Repl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
16 PG&E To PSE S/Pwr/X	0	0	0	0	141	141	141	141	0	0	0	0	0	0	47
17 RVSD To BPA Xchg Nrg	0	0	0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	0	0	0	0	3.1
18 RVSD To BPA Pk Repl	0	0	0	0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.8	0	0	3.0
19 RVSD To BPA Pk Repl	6.8	6.8	6.8	6.8	0	0	0	0	0	0	0	0	6.8	6.8	2.8
20 RVSD To BPA Xchg Nrg	0	0	0	0	16	16	16	16	16	16	0	0	0	0	7.3
21 RVSD To BPA S/Pwr/X	0	0	0	0	9.2	9.2	9.2	9.2	9.2	9.2	0	0	0	0	4.2
22 RVSD To BPA Pk Repl	11	11	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0	0	11	4.9
23 Total Imports From PSW	54	54	58	54	242	253	253	253	101	76	35	33	39	54	121
-Imports From Inland Southwest-															
24 Other Entities To BPA	50	50	50	50	50	50	50	50	50	50	50	0	0	50	42
25 SPP To BPA Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
26 UPLCX To UPLC Pwr S	481	481	350	304	315	286	346	346	328	314	314	350	498	562	373
27 Total Imports From ISW	606	606	475	399	410	381	441	441	423	439	439	426	573	687	475
-Imports From Canada-															
28 BCHP To SCL Pwr S	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
29 Total Imports From Canada	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
-Imports From Other Entities-															
30 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
31 Federal System	192	192	225	257	324	384	357	313	283	284	243	108	132	213	254
32 Public Entities	18	18	13	18	58	75	88	97	89	34	34	26	36	24	48
33 Investor-Owned Entities	1299	1299	1041	910	1232	1216	1275	1256	926	931	931	803	1248	1367	1125
34 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Total Imports.	1508	1508	1279	1186	1615	1675	1720	1667	1299	1249	1208	937	1416	1604	1428

**Table A-5: Imports
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Imports From East of Continental Divide-															
1 PPLE To BPA Pwr S	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
2 PPLE To PPL Pwr S	675	675	384	451	604	605	599	639	632	522	522	652	667	716	595
3 Total Imports From ECD	688	688	426	559	765	820	787	784	749	611	611	652	685	749	690
-Imports From Pacific Southwest-															
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	12
6 PASA To BPA Xchg Nrg	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 Pk Repl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 RVSD To BPA Xchg Nrg	0	0	0	0	16	16	16	16	16	16	0	0	0	0	7.3
10 RVSD To BPA S/Pwr/X	0	0	0	0	9.2	9.2	9.2	9.2	9.2	9.2	0	0	0	0	4.2
11 RVSD To BPA Pk Repl	11	11	11	11	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0	0	11	4.9
12 Total Imports From PSW	15	15	19	15	65	71	71	71	60	34	8.9	0	0	15	35
-Imports From Inland Southwest-															
13 SPP To BPA Pwr S	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
14 UPLCX To UPLC Pwr S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Imports From ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
-Imports From Canada-															
16 BCHP To SCL Pwr S	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
17 Total Imports From Canada	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
-Imports From Other Entities-															
18 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-															
19 Federal System	103	103	136	168	238	292	266	222	192	192	167	75	93	124	174
20 Public Entities	18	18	13	18	58	75	88	97	89	34	34	26	36	24	48
21 Investor-Owned Entities	675	675	384	451	613	614	608	648	632	522	522	652	667	716	598
22 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Total Imports.	796	796	533	638	909	982	961	967	913	748	723	753	796	864	821

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-6
Small Thermal & Miscellaneous
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-6: Small Thermal and Miscellaneous
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

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 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-															
4 Corrette	54	55	41	42	31	28	29	27	30	29	28	40	0	49	33
5 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
6 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
7 Total Investor-Owned Entities	71	72	58	59	49	46	47	45	47	46	45	57	17	66	51
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Investor-Owned Entities	71	72	58	59	49	46	47	45	47	46	45	57	17	66	51
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Small Ternal & Misc.	71	72	58	59	49	46	47	45	47	46	45	57	17	66	51

**Table A-6: Small Thermal and Miscellaneous
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

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 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-															
4 Corrette	43	44	41	41	31	35	36	34	29	29	28	40	0	39	33
5 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
6 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
7 Total Investor-Owned Entities	60	61	58	58	48	52	53	51	46	46	45	57	17	56	50
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Investor-Owned Entities	60	61	58	58	48	52	53	51	46	46	45	57	17	56	50
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Small Ternal & Misc.	60	61	58	58	48	52	53	51	46	46	45	57	17	56	50

**Table A-6: Small Thermal and Miscellaneous
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

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 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-															
4 Corrette	44	45	42	42	43	47	48	47	42	42	41	49	0	40	41
5 Crystal Mountain	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
6 Energy Mgmt Systems	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
7 Total Investor-Owned Entities	61	62	59	59	60	64	65	64	59	59	58	66	17	57	58
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Investor-Owned Entities	61	62	59	59	60	64	65	64	59	59	58	66	17	57	58
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Small Ternal & Misc.	61	62	59	59	60	64	65	64	59	59	58	66	17	57	58

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-7
Combustion Turbines
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-7: Combustion Turbines
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 River Road	223	223	228	240	246	250	251	248	244	241	241	130	237	221	230
3 Roosevelt Landfill	0	0	0	11	11	11	11	11	11	11	11	11	11	11	9.5
4 Wartzilla 1 & 2	0	0	0	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.4
5 Total Public Entities	223	223	228	257	263	267	268	265	261	258	258	147	254	238	244
-Investor-Owned Entities-															
6 Beaver	431	431	431	431	431	431	431	431	222	0	287	431	431	431	390
7 Fredonia 1 & 2	0	0	0	0	17	17	17	18	0	0	0	0	0	0	5.7
8 Fredrickson 1 & 2	0	0	0	0	12	12	12	13	0	0	0	0	0	0	4.1
9 Northeastern 1 & 2	0	23	23	23	0	0	0	0	0	0	0	0	0	0	4.8
10 Whidbey Island	0	0	0	0	2	1.9	1.9	2.1	0	0	0	0	0	0	0.7
11 Whitehorn 1, 2 & 3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 Total Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
-Other Entities-															
13 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Combustion Turbines-															
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	223	223	228	257	263	267	268	265	261	258	258	147	254	238	244
16 Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Combustion Turbines	660	683	688	717	731	734	735	735	489	264	551	584	691	675	655

**Table A-7: Combution Turbines
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 River Road	223	223	228	240	246	250	251	248	244	241	241	130	237	221	230
3 Roosevelt Landfill	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
4 Wartzilla 1 & 2	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	5.3
5 Total Public Entities	240	240	245	257	263	267	268	265	261	258	258	147	254	238	247
-Investor-Owned Entities-															
6 Beaver	431	431	431	431	431	431	431	431	222	0	287	431	431	431	390
7 Fredonia 1 & 2	0	0	0	0	17	17	17	18	0	0	0	0	0	0	5.7
8 Fredrickson 1 & 2	0	0	0	0	12	12	12	13	0	0	0	0	0	0	4.1
9 Northeastern 1 & 2	0	23	23	23	0	0	0	0	0	0	0	0	0	0	4.8
10 Whidbey Island	0	0	0	0	2	1.9	1.9	2.1	0	0	0	0	0	0	0.7
11 Whitehorn 1, 2 & 3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 Total Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
-Other Entities-															
13 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Combustion Turbines-															
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	240	240	245	257	263	267	268	265	261	258	258	147	254	238	247
16 Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Combustion Turbines	677	700	705	717	731	734	735	735	489	264	551	584	691	675	658

**Table A-7: Combustion Turbines
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
2 River Road	225	225	230	242	248	252	253	249	246	243	243	131	239	223	232
3 Roosevelt Landfill	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
4 Wartzilla 1 & 2	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	5.3
5 Total Public Entities	242	242	247	259	265	269	270	266	263	260	260	148	256	240	248
-Investor-Owned Entities-															
6 Beaver	431	431	431	431	431	431	431	431	222	0	287	431	431	431	390
7 Fredonia 1 & 2	0	0	0	0	17	17	17	18	0	0	0	0	0	0	5.7
8 Fredrickson 1 & 2	0	0	0	0	12	12	12	13	0	0	0	0	0	0	4.1
9 Northeastern 1 & 2	0	23	23	23	0	0	0	0	0	0	0	0	0	0	4.8
10 Whidbey Island	0	0	0	0	2	1.9	1.9	2.1	0	0	0	0	0	0	0.7
11 Whitehorn 1, 2 & 3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 Total Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
-Other Entities-															
13 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Combustion Turbines-															
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	242	242	247	259	265	269	270	266	263	260	260	148	256	240	248
16 Investor-Owned Entities	437	460	460	460	469	468	468	471	228	6	293	437	437	437	411
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Combustion Turbines	679	702	707	719	733	736	737	736	491	266	553	585	693	677	659

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-8
Renewable Resources
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-8: Renewable Resources
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 James River 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	3.7	3.7	3.7	3.7	3.7	3.7	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.1
5 Total Public Entities	5.6	5.6	5.6	5.6	5.6	5.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
-Investor-Owned Entities-															
6 Kettle Falls	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
7 Total Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
9 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
10 Public Entities	5.6	5.6	5.6	5.6	5.6	5.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
11 Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Renewable Resources	78	78	78	79	80	82	83	82	82	81	81	33	78	78	76

**Table A-8: Renewable Resources
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 James River 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 Kettle Falls	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
7 Total Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
9 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
10 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
11 Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Renewable Resources	78	78	78	79	80	82	83	82	82	81	81	33	78	78	76

**Table A-8: Renewable Resources
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Federal System-															
1 James River 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 Kettle Falls	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
7 Total Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
-Other Entities-															
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-															
9 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27	29
10 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
11 Investor-Owned Entities	45	45	45	45	45	45	45	45	45	45	45	0	45	45	41
12 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Renewable Resources	78	78	78	79	80	82	83	82	82	81	81	33	78	78	76

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-9
Cogeneration
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-9: Cogeneration
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
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
-Investor Owned Entities-															
4 Coyote Springs #1	224	224	224	224	224	244	224	224	224	224	224	224	157	224	220
5 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
6 Total Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
-Other Entities-															
7 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 Total Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
-Cogeneration-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
11 Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
12 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
13 Total Cogeneration	718	718	718	718	718	731	718	718	718	718	718	275	651	711	676

**Table A-9: Cogeneration
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
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
-Investor Owned Entities-															
4 Coyote Springs #1	224	224	224	224	224	244	224	224	224	224	224	224	157	224	220
5 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
6 Total Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
-Other Entities-															
7 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 Total Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
-Cogeneration-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
11 Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
12 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
13 Total Cogeneration	718	718	718	718	718	731	718	718	718	718	718	275	651	711	676

**Table A-9: Cogeneration
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Federal System-															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-															
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
-Investor Owned Entities-															
4 Coyote Springs #1	224	224	224	224	224	244	224	224	224	224	224	224	157	224	220
5 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
6 Total Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
-Other Entities-															
7 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 Total Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
-Cogeneration-															
9 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
11 Investor-Owned Entities	667	667	667	667	667	687	667	667	667	667	667	224	600	667	627
12 Other Entities	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
13 Total Cogeneration	718	718	718	718	718	731	718	718	718	718	718	275	651	711	676

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-10
Large Thermal
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Table A-10: Large Thermal
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Boardman: Coal (Regional)-															
1 Idaho Power Company	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
2 Portland General Electric	262	262	262	262	262	262	262	262	262	262	262	131	262	262	251
3 San Diego Gas & Electric (Boardman)	59	59	59	59	59	59	59	59	59	59	59	30	59	59	57
4 Turlock Irrigation District (Boardman)	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
5 Boardman: Regional Totals	402	402	402	402	402	402	402	402	402	402	402	201	402	402	385
-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 Totals	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 Totals	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip 1: Coal-															
10 Montana Power Company (Regional)	57	58	44	44	33	30	31	29	31	31	30	43	42	51	39
11 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
12 Colstrip 1: Regional Totals	205	207	192	192	181	178	179	177	180	179	178	191	191	200	187
-Colstrip 2: Coal-															
13 Montana Power Company (Regional)	57	58	44	44	33	30	31	29	31	31	30	0	42	51	35
14 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	0	148	148	136
15 Colstrip 2: Regional Totals	205	207	192	192	181	178	179	177	180	179	178	0	191	200	171
-Colstrip 3: Coal-															
16 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
17 Montana Power Company (Regional)	83	85	63	64	48	44	45	42	46	44	43	62	62	75	57
18 PacifiCorp	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
20 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
21 Colstrip 3: Regional Totals	587	589	567	568	552	548	549	546	550	548	547	566	566	579	561
-Colstrip 4: Coal-															
22 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
23 Montana Power Company (Regional)	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
24 PacifiCorp	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
25 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
26 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
27 Colstrip 4: Regional Totals	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
-Jim Bridger #1: Coal-															
28 Idaho Power Company	159	159	159	159	159	159	159	159	82	0	138	159	159	159	145
29 Jim Bridger #1: Regional Totals	159	159	159	159	159	159	159	159	82	0	138	159	159	159	145
-Jim Bridger #2: Coal-															
30 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
31 Jim Bridger #2: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Jim Bridger #3: Coal-															
32 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	42	62	159	159	146
33 Jim Bridger #3: Regional Totals	159	159	159	159	159	159	159	159	159	159	42	62	159	159	146
-Jim Bridger #4: Coal-															
34 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
35 Jim Bridger #4: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Valmy #1: Coal-															
36 Idaho Power Company	101	101	101	101	101	101	101	101	101	52	101	101	101	106	100
37 Valmy #1: Regional Totals	101	101	101	101	101	101	101	101	101	52	101	101	101	106	100
-Valmy #2: Coal-															
38 Idaho Power Company	101	101	101	101	101	101	101	101	49	76	101	101	101	106	96
39 Valmy #2: Regional Totals	101	101	101	101	101	101	101	101	49	76	101	101	101	106	96
-WNP: Nuclear-															
40 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
41 WNP: Regional Totals	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Total Large Thermal-															
42 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
43 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Investor-Owned Entities	4113	4118	4065	4068	4029	4020	4023	4014	3895	3787	3880	3037	4062	4102	3939
45 Other Entities	100	100	100	100	100	100	100	100	100	100	100	50	100	100	95

**Table A-10: Large Thermal
PNW Loads and Resources Study
2001 - 2002 Operating Year
2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
46 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Total Large Thermal	5213	5217	5165	5167	5129	5119	5122	5114	4995	4886	4979	4087	5161	5201	5034

**Table A-10: Large Thermal
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

10/1/2001

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal (Regional)-															
1 Idaho Power Company	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
2 Portland General Electric	262	262	262	262	262	262	262	262	262	262	262	131	262	262	251
3 San Diego Gas & Electric (Boardman)	59	59	59	59	59	59	59	59	59	59	59	30	59	59	57
4 Turlock Irrigation District (Boardman)	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
5 Boardman: Regional Totals	402	402	402	402	402	402	402	402	402	402	402	201	402	402	385
-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 Totals	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 Totals	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip 1: Coal-															
10 Montana Power Company (Regional)	46	47	43	44	33	37	38	36	31	30	29	42	42	41	39
11 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
12 Colstrip 1: Regional Totals	194	195	192	192	181	185	186	184	179	179	178	191	191	189	187
-Colstrip 2: Coal-															
13 Montana Power Company (Regional)	46	47	43	44	33	37	38	36	31	30	29	0	42	41	35
14 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	0	148	148	136
15 Colstrip 2: Regional Totals	194	195	192	192	181	185	186	184	179	179	178	0	191	189	171
-Colstrip 3: Coal-															
16 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
17 Montana Power Company (Regional)	67	68	63	64	48	53	55	52	45	44	43	62	62	60	56
18 Pacificorp	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
20 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
21 Colstrip 3: Regional Totals	571	572	567	568	552	557	559	556	549	548	547	566	566	564	560
-Colstrip 4: Coal-															
22 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	0	108	99
23 Montana Power Company (Regional)	216	216	216	216	216	216	216	216	216	216	216	216	0	216	198
24 Pacificorp	72	72	72	72	72	72	72	72	72	72	72	72	0	72	66
25 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	0	144	132
26 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	0	180	165
27 Colstrip 4: Regional Totals	720	720	720	720	720	720	720	720	720	720	720	720	0	720	660
-Jim Bridger #1: Coal-															
28 Idaho Power Company	159	159	159	159	159	159	159	159	93	0	10	159	159	159	141
29 Jim Bridger #1: Regional Totals	159	159	159	159	159	159	159	159	159	93	0	10	159	159	141
-Jim Bridger #2: Coal-															
30 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
31 Jim Bridger #2: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Jim Bridger #3: Coal-															
32 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	31	64	159	141
33 Jim Bridger #3: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	31	64	159	141
-Jim Bridger #4: Coal-															
34 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
35 Jim Bridger #4: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Valmy #1: Coal-															
36 Idaho Power Company	101	101	101	101	101	101	101	101	101	101	88	62	101	101	97
37 Valmy #1: Regional Totals	101	101	101	101	101	101	101	101	101	101	88	62	101	101	97
-Valmy #2: Coal-															
38 Idaho Power Company	101	101	101	101	101	101	101	101	59	101	101	101	101	101	98
39 Valmy #2: Regional Totals	101	101	101	101	101	101	101	101	59	101	101	101	101	101	98
-WNP: Nuclear-															
40 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
41 WNP: Regional Totals	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
-Total Large Thermal-															
42 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
43 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Investor-Owned Entities	4074	4077	4064	4067	4028	4043	4046	4038	3914	3860	3854	2966	3246	4057	3867
45 Other Entities	100	100	100	100	100	100	100	100	100	100	100	50	100	100	95

**Table A-10: Large Thermal
PNW Loads and Resources Study
2005 - 2006 Operating Year
2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
46 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Total Large Thermal	5173	5177	5164	5166	5128	5142	5145	5138	5013	4959	4954	4016	4345	5157	4962

**Table A-10: Large Thermal
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

10/1/2001

<i>Average Energy in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Avg</i>
-Boardman: Coal (Regional)-															
1 Idaho Power Company	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
2 Portland General Electric	262	262	262	262	262	262	262	262	262	262	262	131	262	262	251
3 San Diego Gas & Electric (Boardman)	59	59	59	59	59	59	59	59	59	59	59	30	59	59	57
4 Turlock Irrigation District (Boardman)	40	40	40	40	40	40	40	40	40	40	40	20	40	40	39
5 Boardman: Regional Totals	402	402	402	402	402	402	402	402	402	402	402	201	402	402	385
-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 Totals	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 Totals	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Colstrip 1: Coal-															
10 Montana Power Company (Regional)	47	48	44	45	46	50	51	50	44	44	43	0	44	42	42
11 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	0	148	148	136
12 Colstrip 1: Regional Totals	195	196	193	193	194	198	199	198	193	193	192	0	192	191	178
-Colstrip 2: Coal-															
13 Montana Power Company (Regional)	47	48	44	45	46	50	51	50	44	44	43	0	44	42	42
14 Puget Sound Energy	148	148	148	148	148	148	148	148	148	148	148	0	148	148	136
15 Colstrip 2: Regional Totals	195	196	193	193	194	198	199	198	193	193	192	0	192	191	178
-Colstrip 3: Coal-															
16 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
17 Montana Power Company (Regional)	68	70	64	65	66	72	74	72	65	65	63	75	63	62	68
18 PacifiCorp	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
20 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
21 Colstrip 3: Regional Totals	572	574	568	569	570	576	578	576	569	569	567	579	567	566	572
-Colstrip 4: Coal-															
22 Avista Corp (WWP Division)	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
23 Montana Power Company (Regional)	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216
24 PacifiCorp	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
25 Portland General Electric	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
26 Puget Sound Energy	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
27 Colstrip 4: Regional Totals	720	720	720	720	720	720	720	720	720	720	720	720	720	720	720
-Jim Bridger #1: Coal-															
28 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
29 Jim Bridger #1: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Jim Bridger #2: Coal-															
30 Idaho Power Company	159	159	159	159	159	159	159	159	98	138	0	159	159	159	147
31 Jim Bridger #2: Regional Totals	159	159	159	159	159	159	159	159	98	138	0	159	159	159	147
-Jim Bridger #3: Coal-															
32 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
33 Jim Bridger #3: Regional Totals	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
-Jim Bridger #4: Coal-															
34 Idaho Power Company	159	159	159	159	159	159	159	159	159	106	0	113	159	159	147
35 Jim Bridger #4: Regional Totals	159	159	159	159	159	159	159	159	159	106	0	113	159	159	147
-Valmy #1: Coal-															
36 Idaho Power Company	101	101	101	101	101	101	101	101	101	101	88	62	101	101	97
37 Valmy #1: Regional Totals	101	101	101	101	101	101	101	101	101	101	88	62	101	101	97
-Valmy #2: Coal-															
38 Idaho Power Company	101	101	101	101	101	101	101	101	59	101	101	101	101	101	98
39 Valmy #2: Regional Totals	101	101	101	101	101	101	101	101	59	101	101	101	101	101	98
-WNP: Nuclear-															
40 BPA - Power Business	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	500	0	1000	875
41 WNP: Regional Totals	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	500	0	1000	875
-Total Large Thermal-															
42 Federal System	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	500	0	1000	875
43 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Investor-Owned Entities	4078	4081	4068	4070	4073	4087	4091	4086	3905	3368	3106	3276	4065	4062	3925
45 Other Entities	100	100	100	100	100	100	100	100	100	100	100	50	100	100	95

**Table A-10: Large Thermal
PNW Loads and Resources Study
2010 - 2011 Operating Year
2000 White Book**

Average Energy in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
46 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Total Large Thermal	5177	5181	5167	5170	5172	5187	5191	5186	5004	4467	4206	3826	4165	5161	4895

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-11
Restoration
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Bonneville Power Administration
2000 Pacific Northwest Loads and Resources Study
Technical Appendix**

**Section 8
Table A-12
Canadian Entitlement Return For CSPE
Monthly OY 2002, 2006 & 2011
Average Energy in Megawatts**

Power Business Line

Reports Powered by:



Loads and Resources Information System

