

DECEMBER 2003

# 2003 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

## Technical Appendix Volume 2 Capacity Analysis



**2003 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY**

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***THE WHITE BOOK***

**TECHNICAL APPENDIX**

**VOLUME 2**

**CAPACITY ANALYSIS**

**BONNEVILLE POWER ADMINISTRATION**  
**December 2003**

### **Cover Photo Montage:**

*(Top left clockwise)*

Photographs provided by John Hyde P.E. Hydraulic Engineer, BPA,  
Regional Coordination & Operations Planning Group

**Lower Granite Dam** is located at the head of Lake Bryan in southeastern Washington. Lower Granite dam is owned and operated by the U.S. Corps of Engineers. Construction for this project began in July 1964, and was completed in 1984. The installed capacity of Lower Granite dam is 810 MW.

**Grand Coulee Dam** spans the Columbia River and is 90 miles west of Spokane, Washington. The U.S. Bureau of Reclamation began operating this storage project in 1933. Grand Coulee dam has an installed capacity of 6,465 MW.

**Bonneville Second Power House** is part of Bonneville Dam and is located on the Washington side of the Columbia River. The U.S. Army Corps of Engineers began operating this unit in 1982. The installed capacity of the Second Power House is 532 MW. Total capacity of Bonneville Dam is 1,093 MW.

**Libby Dam** is located on the Kootenai River in northwestern Montana. Its reservoir, Koocanusa, extends 42 miles into British Columbia, Canada. The Columbia River Treaty allowed the construction of Libby dam, which was completion in 1972. The installed capacity is 525 MW.

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## ACKNOWLEDGMENTS

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

### **Bonneville Power Administration**

**Generation Supply:** Regional Coordination Group

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

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

### **Pacific Northwest Utilities Conference Committee**

### **Northwest Power & Conservation Council**

Reports Powered by:



Loads and Resources Information System

**2003 Pacific Northwest Loads and Resources Study  
Technical Appendix Volume 2**

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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	220	220	175	180	202	213	201	217	204	187	187	185	190	172
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	277	276	274	271	269	266	263	262	262	265	265	265	265	265
Total Firm Non-Utility Obligations	755	720	583	579	471	479	464	479	506	712	775	699	705	707
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3625	3625	3547	3695	3999	4429	4616	4398	4197	3945	3945	3931	3653	3721
GPU 2002 PSC Sale	2091	2091	2251	2354	2763	3144	3206	3187	2948	2610	2610	2393	2010	2006
NGP Slice Sale	1584	1328	1107	1249	1350	1325	1007	1046	1068	1050	941	1002	1138	1392
GPU Slice Sale	2638	2211	1844	2081	2248	2206	1677	1742	1779	1749	1568	1669	1895	2318
IOU 2002 PSC Sale	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Exports	1964	1964	1955	1869	1814	1835	1832	1827	1817	1837	1837	1914	1920	1930
Intra-Regional Transfers (Out)	1919	1919	898	739	956	1010	984	940	830	753	753	581	634	698
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-804	-799	-792	-762	-695	-544	-561	-545	-738	-699	-705	-810	-792	-801
Total Transfers Out	13398	12720	11192	11608	12816	13787	13143	12977	12283	11628	11331	11064	10840	11648
Total Firm Obligations	14153	13439	11775	12187	13287	14265	13607	13456	12789	12339	12105	11762	11545	12354
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-225	-3255	-6247	-4686	-3662	-3702	-7776	-7488	-6936	-6299	-7367	-6057	-4916	-2753
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	247	247	247	247	248	248	248	248	248	245	245	245	245	245
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21177	17977	15175	16838	17755	17437	13483	13968	14243	14430	13058	14838	16577	18774
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	139	139	168	224	277	331	305	261	233	216	216	76	94	160
Intra-Regional Transfers (In)	1288	1288	1361	1226	1226	1203	1238	1238	1238	988	588	588	588	1238
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	35	35	18	33	42	33	33	33	33	33	33	50	33	30
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	2639	2639	2725	2661	2724	2748	2758	2713	2685	2417	2017	741	743	2605
Total Resources	23816	20616	17900	19500	20479	20185	16241	16681	16928	16847	15075	15579	17319	21379
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-3.1	-3.1	-2.3	-3.1	-3.5	-3.2	-3.3	-3.2	-3.2	-3.2	-3.2	-3.8	-3	-2.9
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-451	-384	-313	-356	-388	-401	-313	-313	-320	-314	-287	-298	-343	-404
Federal Transmission Losses	-632	-544	-455	-508	-541	-559	-445	-444	-451	-445	-395	-418	-478	-568
Total Reserves, Maintenance & Losses	-5580	-4913	-4771	-4855	-4869	-4047	-3393	-3877	-3908	-4020	-3672	-3509	-3522	-4996
Total Net Resources	18236	15703	13129	14645	15611	16138	12848	12805	13020	12827	11404	12070	13797	16384
Total Firm Surplus/Deficit	4083	2263	1354	2457	2323	1873	-759	-651	231	487	-702	307	2252	4029



**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	219	219	176	181	202	213	202	217	204	187	187	186	190	172
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	265	265	265	272	272	272	272	272	272	272	272	272	272	272
Total Firm Non-Utility Obligations	742	708	575	581	474	485	474	489	516	719	782	707	712	714
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3673	3673	3594	3747	4055	4491	4688	4468	4264	4010	4010	3994	3712	3779
GPU 2002 PSC Sale	1960	1960	2208	2358	2763	3142	3204	3162	2950	2580	2580	2329	1961	1963
NGP Slice Sale	1589	1335	1111	1253	1354	1330	1007	1046	1072	1050	941	1080	1217	1393
GPU Slice Sale	2647	2223	1850	2087	2255	2215	1677	1742	1785	1749	1568	1799	2027	2319
IOU 2002 PSC Sale	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Exports	1963	1963	1954	1796	1742	1764	1761	1755	1744	1765	1765	1841	1847	1776
Intra-Regional Transfers (Out)	644	644	673	739	956	1010	984	940	830	753	753	581	634	698
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-793	-788	-793	-768	-701	-548	-566	-548	-745	-703	-709	-810	-793	-803
Total Transfers Out	12065	11391	10979	11596	12806	13785	13136	12947	12284	11586	11289	11196	10987	11507
Total Firm Obligations	12807	12099	11553	12176	13280	14270	13610	13436	12800	12306	12072	11902	11699	12222
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-204	-3215	-6247	-4635	-3609	-3633	-7776	-7488	-6893	-6299	-7367	-6055	-4897	-2746
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	245	245	245	245	246	247	246	246	245	234	234	234	234	234
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21196	18015	15173	16887	17806	17505	13481	13966	14283	14419	13047	14830	16585	18770
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	139	139	168	204	257	311	285	241	213	216	216	76	94	160
Intra-Regional Transfers (In)	1238	1238	1261	1226	1226	1203	838	838	838	588	588	588	588	838
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	35	35	18	33	42	33	33	33	33	33	33	50	33	30
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	2589	2589	2625	2641	2704	2728	2338	2293	2265	2017	2017	1891	1893	2205
Total Resources	23784	20604	17798	19529	20510	20233	15819	16259	16548	16436	15064	16720	18477	20975
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-3.1	-3.1	-2.3	-3.1	-3.5	-3.2	-3.3	-3.2	-3.2	-3.2	-3.2	-3.8	-3	-2.9
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-452	-385	-314	-357	-388	-402	-313	-313	-320	-314	-286	-331	-377	-403
Federal Transmission Losses	-631	-544	-452	-509	-542	-561	-431	-430	-439	-431	-395	-450	-510	-554
Total Reserves, Maintenance & Losses	-5579	-4914	-4768	-4856	-4870	-4050	-3378	-3862	-3896	-4006	-3671	-3746	-3761	-4982
Total Net Resources	18205	15689	13029	14672	15640	16183	12441	12398	12652	12430	11394	12974	14717	15993
Total Firm Surplus/Deficit	5398	3591	1476	2496	2360	1913	-1169	-1038	-148	125	-678	1072	3018	3771

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	218	218	176	181	202	214	203	217	205	188	188	186	190	173
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	272	272	272	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	748	714	582	309	202	214	203	217	245	448	511	435	440	443
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3731	3731	3664	3935	4265	4686	4879	4665	4452	4207	4207	4164	3905	3967
GPU 2002 PSC Sale	1929	1929	2176	2625	2996	3415	3396	3334	3154	2732	2732	2464	2093	2221
NGP Slice Sale	1591	1338	1111	1259	1359	1336	1007	1046	1078	1050	941	1007	1143	1396
GPU Slice Sale	2650	2228	1850	2096	2263	2226	1677	1742	1795	1749	1568	1677	1903	2325
IOU 2002 PSC Sale	382	382	382	0	0	0	0	0	0	0	0	0	0	0
Exports	1792	1792	1783	1631	1577	1600	1597	1591	1580	1600	1600	1676	1682	1693
Intra-Regional Transfers (Out)	644	644	673	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-796	-792	-798	-824	-746	-582	-593	-575	-785	-739	-745	-848	-837	-862
Total Transfers Out	11922	11252	10841	11405	12614	13635	12891	12688	12047	11347	11050	10717	10518	11382
Total Firm Obligations	12671	11967	11423	11715	12816	13849	13093	12905	12292	11795	11561	11152	10958	11826
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-186	-3175	-6247	-4569	-3551	-3556	-7776	-7488	-6819	-6299	-7367	-5997	-4855	-2704
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	234	234	234	234	234	234	234	234	234	228	228	228	228	228
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21203	18044	15162	16943	17852	17569	13469	13954	14346	14413	13041	14882	16621	18806
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	139	139	168	204	257	311	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	838	838	861	398	398	375	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	4	4	4	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	2158	2158	2210	1834	1888	1921	1471	1426	1398	1400	1400	157	175	1341
Total Resources	23361	20202	17372	18777	19740	19490	14940	15380	15744	15813	14441	15039	16796	20147
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-1.6	-1.6	-1.6	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-452	-386	-314	-358	-390	-404	-313	-313	-322	-314	-286	-299	-344	-404
Federal Transmission Losses	-617	-530	-437	-483	-516	-536	-402	-400	-411	-410	-374	-400	-461	-527
Total Reserves, Maintenance & Losses	-5564	-4900	-4753	-4834	-4846	-4028	-3349	-3833	-3872	-3986	-3651	-3492	-3507	-4956
Total Net Resources	17797	15301	12619	13943	14894	15463	11590	11547	11872	11827	10790	11547	13290	15190
Total Firm Surplus/Deficit	5126	3335	1195	2229	2078	1613	-1503	-1358	-420	32	-770	395	2332	3365

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2007 - 2008 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	218	218	177	182	203	215	204	217	205	188	188	187	190	174
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	476	442	311	310	203	215	204	217	245	448	511	436	440	444
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3940	3940	3861	3981	4314	4741	4936	4722	4506	4258	4258	4214	3951	4013
GPU 2002 PSC Sale	2260	2260	2490	2620	3007	3428	3404	3371	3165	2722	2722	2474	2117	2215
NGP Slice Sale	1594	1343	1111	1265	1365	1345	1007	1046	1084	1050	941	1087	1224	1400
GPU Slice Sale	2654	2237	1850	2107	2273	2240	1677	1742	1806	1749	1568	1811	2038	2332
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1680	1680	1670	1632	1579	1603	1497	1486	1479	1499	1473	1522	1529	1540
Intra-Regional Transfers (Out)	588	588	617	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-868	-864	-866	-829	-752	-587	-598	-582	-792	-743	-749	-855	-846	-867
Total Transfers Out	11849	11186	10733	11460	12686	13724	12852	12669	12023	11282	10959	10828	10640	11276
Total Firm Obligations	12325	11628	11044	11770	12889	13938	13055	12886	12268	11730	11471	11264	11080	11720
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-149	-3105	-6247	-4486	-3471	-3450	-7776	-7488	-6737	-6299	-7367	-5962	-4814	-2648
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	228	228	228	228	228	228	228	228	228	225	225	225	225	225
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21234	18108	15156	17019	17926	17669	13463	13948	14422	14410	13038	14913	16659	18859
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	1307	1325	1341
Total Resources	22554	19428	16528	18428	19389	19165	14934	15374	15820	15810	14438	16220	17984	20200
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-453	-388	-314	-361	-392	-407	-313	-313	-324	-314	-286	-334	-380	-406
Federal Transmission Losses	-590	-504	-409	-472	-504	-525	-402	-400	-414	-410	-374	-433	-493	-528
Total Reserves, Maintenance & Losses	-5540	-4879	-4728	-4824	-4836	-4019	-3349	-3833	-3876	-3986	-3651	-3732	-3747	-4959
Total Net Resources	17013	14549	11801	13604	14553	15146	11584	11541	11943	11824	10787	12488	14237	15241
Total Firm Surplus/Deficit	4689	2922	757	1834	1664	1207	-1471	-1345	-324	94	-683	1224	3157	3521

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2008 - 2009 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	217	217	178	183	203	215	205	217	206	189	189	187	190	175
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	475	441	312	311	203	215	205	217	246	449	512	436	440	445
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3986	3986	3907	4028	4365	4798	4994	4775	4560	4309	4309	4263	3996	4058
GPU 2002 PSC Sale	2283	2283	2484	2631	3037	3421	3422	3363	3181	2733	2733	2501	2110	2224
NGP Slice Sale	1595	1346	1111	1268	1368	1348	1007	1046	1088	1050	941	1012	1148	1403
GPU Slice Sale	2657	2242	1850	2112	2278	2246	1677	1742	1812	1749	1568	1686	1912	2336
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1534	1534	1524	1485	1460	1484	1481	1475	1463	1482	1482	1530	1537	1549
Intra-Regional Transfers (Out)	588	588	617	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-877	-872	-871	-836	-760	-590	-604	-585	-799	-749	-755	-864	-851	-875
Total Transfers Out	11766	11106	10621	11373	12647	13661	12907	12701	12079	11321	11024	10703	10480	11337
Total Firm Obligations	12241	11548	10933	11683	12850	13876	13111	12918	12324	11770	11536	11139	10920	11782
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-132	-3071	-6247	-4448	-3438	-3405	-7776	-7488	-6690	-6299	-7367	-5935	-4793	-2621
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	225	225	225	225	225	225	225	225	225	223	223	223	223	223
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21248	18139	15153	17054	17956	17711	13460	13945	14466	14408	13036	14939	16678	18884
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	157	175	1341
Total Resources	22567	19459	16525	18463	19419	19207	14931	15371	15864	15808	14436	15096	16853	20225
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-389	-314	-362	-392	-408	-313	-313	-325	-314	-286	-300	-346	-406
Federal Transmission Losses	-590	-505	-409	-473	-505	-526	-401	-400	-415	-410	-374	-402	-462	-529
Total Reserves, Maintenance & Losses	-5541	-4880	-4727	-4826	-4838	-4022	-3349	-3833	-3879	-3986	-3651	-3495	-3510	-4961
Total Net Resources	17026	14578	11798	13637	14581	15185	11581	11538	11985	11822	10785	11601	13343	15264
Total Firm Surplus/Deficit	4785	3030	864	1954	1731	1309	-1530	-1379	-339	52	-751	461	2423	3482

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2009 - 2010 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	217	217	179	183	203	216	206	217	206	189	189	188	191	176
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Firm Non-Utility Obligations</b>	<b>475</b>	<b>441</b>	<b>313</b>	<b>311</b>	<b>203</b>	<b>216</b>	<b>206</b>	<b>217</b>	<b>246</b>	<b>449</b>	<b>512</b>	<b>437</b>	<b>441</b>	<b>446</b>
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4032	4032	3953	4075	4417	4855	5060	4838	4621	4367	4367	4320	4049	4111
GPU 2002 PSC Sale	2293	2293	2494	2644	3050	3436	3437	3376	3195	2746	2746	2512	2120	2234
NGP Slice Sale	1597	1349	1111	1271	1370	1352	1007	1046	1092	1051	941	1092	1227	1405
GPU Slice Sale	2659	2246	1850	2117	2282	2252	1677	1742	1819	1750	1568	1818	2043	2339
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1566	1566	1556	1518	1493	1519	1516	1509	1496	1515	1515	1563	1546	1558
Intra-Regional Transfers (Out)	588	588	617	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-884	-879	-879	-844	-767	-595	-609	-590	-806	-756	-762	-872	-859	-883
<b>Total Transfers Out</b>	<b>11850</b>	<b>11194</b>	<b>10702</b>	<b>11465</b>	<b>12745</b>	<b>13772</b>	<b>13015</b>	<b>12806</b>	<b>12190</b>	<b>11419</b>	<b>11121</b>	<b>11007</b>	<b>10754</b>	<b>11407</b>
<b>Total Firm Obligations</b>	<b>12325</b>	<b>11635</b>	<b>11015</b>	<b>11776</b>	<b>12949</b>	<b>13988</b>	<b>13221</b>	<b>13023</b>	<b>12436</b>	<b>11868</b>	<b>11633</b>	<b>11444</b>	<b>11195</b>	<b>11853</b>
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-116	-3038	-6247	-4411	-3406	-3360	-7776	-7488	-6642	-6293	-7367	-5907	-4772	-2594
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	223	223	223	223	223	223	223	223	223	240	240	240	240	240
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Hydro Resources</b>	<b>21262</b>	<b>18170</b>	<b>15151</b>	<b>17090</b>	<b>17987</b>	<b>17754</b>	<b>13458</b>	<b>13943</b>	<b>14511</b>	<b>14432</b>	<b>13053</b>	<b>14983</b>	<b>16716</b>	<b>18928</b>
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Other Resources</b>	<b>1320</b>	<b>1320</b>	<b>1372</b>	<b>1409</b>	<b>1463</b>	<b>1496</b>	<b>1471</b>	<b>1426</b>	<b>1398</b>	<b>1400</b>	<b>1400</b>	<b>1307</b>	<b>1325</b>	<b>1341</b>
<b>Total Resources</b>	<b>22582</b>	<b>19490</b>	<b>16523</b>	<b>18499</b>	<b>19450</b>	<b>19250</b>	<b>14929</b>	<b>15369</b>	<b>15909</b>	<b>15831</b>	<b>14453</b>	<b>16290</b>	<b>18041</b>	<b>20268</b>
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-390	-314	-362	-393	-409	-313	-313	-327	-314	-286	-335	-381	-407
Federal Transmission Losses	-591	-506	-409	-474	-506	-528	-401	-400	-417	-411	-374	-435	-495	-531
<b>Total Reserves, Maintenance &amp; Losses</b>	<b>-5542</b>	<b>-4882</b>	<b>-4727</b>	<b>-4828</b>	<b>-4840</b>	<b>-4024</b>	<b>-3349</b>	<b>-3833</b>	<b>-3882</b>	<b>-3987</b>	<b>-3651</b>	<b>-3736</b>	<b>-3750</b>	<b>-4963</b>
<b>Total Net Resources</b>	<b>17040</b>	<b>14608</b>	<b>11796</b>	<b>13670</b>	<b>14610</b>	<b>15226</b>	<b>11579</b>	<b>11536</b>	<b>12027</b>	<b>11844</b>	<b>10802</b>	<b>12554</b>	<b>14291</b>	<b>15305</b>
<b>Total Firm Surplus/Deficit</b>	<b>4715</b>	<b>2972</b>	<b>781</b>	<b>1894</b>	<b>1661</b>	<b>1238</b>	<b>-1641</b>	<b>-1487</b>	<b>-409</b>	<b>-24</b>	<b>-831</b>	<b>1110</b>	<b>3096</b>	<b>3453</b>

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	216	216	180	184	203	216	206	217	206	190	190	189	191	176
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	474	440	314	312	203	216	206	217	246	450	513	438	441	446
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4084	4084	4008	4130	4475	4919	5117	4893	4674	4417	4417	4368	4093	4156
GPU 2002 PSC Sale	2301	2301	2502	2668	3044	3449	3452	3389	3208	2757	2757	2522	2128	2257
NGP Slice Sale	1598	1351	1111	1274	1373	1355	1007	1046	1095	1055	941	1016	1151	1407
GPU Slice Sale	2661	2250	1850	2122	2286	2257	1677	1742	1824	1757	1568	1692	1917	2343
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1514	1514	1503	1466	1450	1476	1473	1466	1453	1471	1471	1511	1518	1531
Intra-Regional Transfers (Out)	588	588	617	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-892	-887	-887	-853	-772	-601	-614	-595	-813	-762	-769	-879	-866	-892
Total Transfers Out	11854	11202	10704	11489	12755	13810	13039	12826	12215	11441	11132	10805	10570	11444
Total Firm Obligations	12329	11642	11018	11801	12958	14026	13246	13043	12461	11891	11645	11243	11010	11890
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-101	-3009	-6247	-4378	-3377	-3321	-7776	-7488	-6600	-6242	-7367	-5884	-4753	-2571
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	240	240	240	240	240	240	240	240	240	238	238	238	238	238
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21293	18216	15168	17140	18032	17810	13475	13960	14571	14480	13051	15005	16732	18949
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	157	175	1341
Total Resources	22613	19536	16540	18549	19495	19306	14946	15386	15968	15879	14451	15162	16908	20290
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-390	-314	-363	-394	-410	-313	-313	-328	-315	-286	-301	-347	-408
Federal Transmission Losses	-592	-508	-409	-475	-508	-530	-402	-400	-419	-412	-374	-404	-464	-531
Total Reserves, Maintenance & Losses	-5544	-4885	-4728	-4831	-4842	-4027	-3350	-3834	-3885	-3990	-3651	-3499	-3513	-4964
Total Net Resources	17069	14652	11812	13718	14653	15279	11596	11553	12084	11890	10800	11663	13395	15326
Total Firm Surplus/Deficit	4741	3010	794	1917	1694	1253	-1650	-1490	-378	-0.8	-845	420	2384	3436

**Loads and Resources - Federal System**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

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<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	216	216	180	169	199	203	202	222	203	175	175	180	176	158
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	474	440	314	297	199	203	202	222	243	435	498	429	426	428
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4125	4125	4048	4205	4558	5005	5089	4914	4653	4394	4394	4368	4113	4165
GPU 2002 PSC Sale	2296	2296	2511	2745	3154	3569	3550	3476	3294	2830	2830	2585	2185	2288
NGP Slice Sale	1598	1353	1111	1276	1374	1357	1007	1046	1098	1058	941	1095	1229	1408
GPU Slice Sale	2661	2253	1850	2125	2289	2261	1677	1742	1828	1762	1568	1824	2047	2345
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1519	1519	1508	1470	1456	1483	1480	1472	1459	1476	1476	1515	1523	1536
Intra-Regional Transfers (Out)	588	588	42	108	325	379	353	309	199	172	172	0.1	53	67
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-896	-892	-894	-870	-791	-614	-619	-603	-819	-766	-772	-886	-874	-895
Total Transfers Out	11890	11242	10177	11060	12364	13440	12536	12357	11712	10927	10609	10501	10277	10916
Total Firm Obligations	12364	11682	10491	11357	12564	13643	12738	12580	11955	11362	11107	10930	10702	11344
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-2987	-6247	-4353	-3357	-3293	-7776	-7488	-6568	-6203	-7367	-5867	-4741	-2553
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	238	238	238	238	238	238	238	238	238	234	234	234	234	234
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21293	18236	15166	17162	18050	17836	13473	13958	14601	14515	13047	15018	16741	18963
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	1307	1325	1341
Total Resources	22612	19556	16538	18571	19513	19332	14944	15384	15999	15914	14447	16325	18066	20304
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-391	-314	-364	-395	-411	-313	-313	-328	-316	-286	-336	-381	-408
Federal Transmission Losses	-592	-508	-409	-476	-508	-530	-402	-400	-420	-413	-374	-436	-496	-532
Total Reserves, Maintenance & Losses	-5544	-4886	-4728	-4832	-4843	-4029	-3350	-3834	-3887	-3992	-3651	-3738	-3752	-4965
Total Net Resources	17069	14670	11810	13739	14670	15304	11594	11551	12112	11923	10796	12587	14315	15339
Total Firm Surplus/Deficit	4705	2988	1319	2382	2106	1661	-1144	-1029	157	561	-311	1657	3612	3995

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**1937 Water Year**  
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<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	196	196	161	170	201	204	202	222	203	175	175	180	175	159
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	454	420	295	298	201	204	202	222	243	435	498	429	425	429
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4131	4131	4066	4231	4588	5038	5144	4969	4705	4443	4443	4416	4156	4209
GPU 2002 PSC Sale	2319	2319	2544	2753	3162	3579	3559	3485	3302	2838	2838	2592	2192	2295
NGP Slice Sale	1598	1355	1111	1278	1376	1360	1007	1046	1101	1062	941	1019	1153	1410
GPU Slice Sale	2661	2257	1850	2129	2292	2265	1677	1742	1834	1769	1568	1698	1921	2348
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1524	1524	1512	1475	1462	1490	1487	1479	1465	1482	1482	1520	1528	1542
Intra-Regional Transfers (Out)	13	13	42	108	325	379	353	309	199	172	172	0.1	53	67
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-898	-893	-898	-874	-795	-617	-623	-607	-825	-772	-778	-892	-881	-901
Total Transfers Out	11348	10706	10229	11101	12410	13494	12603	12423	11781	10993	10666	10353	10123	10970
Total Firm Obligations	11802	11126	10524	11399	12611	13698	12806	12645	12025	11429	11164	10782	10548	11399
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-2961	-6247	-4323	-3332	-3258	-7776	-7488	-6528	-6156	-7367	-5844	-4724	-2531
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	234	234	234	234	234	234	234	234	234	230	230	230	230	230
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21289	18258	15162	17189	18072	17867	13469	13954	14637	14559	13043	15037	16754	18981
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	157	175	1341
Total Resources	22608	19578	16534	18598	19535	19363	14940	15380	16035	15958	14443	15194	16929	20322
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-391	-314	-365	-395	-411	-313	-313	-329	-317	-286	-302	-348	-409
Federal Transmission Losses	-591	-509	-409	-477	-509	-531	-402	-400	-421	-415	-374	-405	-465	-532
Total Reserves, Maintenance & Losses	-5543	-4887	-4728	-4834	-4845	-4031	-3349	-3833	-3889	-3994	-3651	-3501	-3514	-4966
Total Net Resources	17065	14691	11806	13764	14690	15333	11590	11547	12146	11964	10792	11693	13415	15356
Total Firm Surplus/Deficit	5263	3565	1283	2365	2079	1635	-1215	-1098	122	535	-372	911	2867	3957



**Loads and Resources - Federal System**  
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**1937 Water Year**  
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<i>Capacity 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>
<b>Non-Utility Obligations</b>														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	195	195	161	170	201	204	203	222	203	175	175	181	175	159
USBR 2002 PSC Sale	258	224	134	128	0	0	0	0	40	260	323	249	250	270
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	453	419	295	298	201	204	203	222	243	435	498	430	425	429
<b>Transfers Out</b>														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4175	4175	4111	4277	4639	5093	5200	5023	4757	4492	4492	4464	4201	4254
GPU 2002 PSC Sale	2326	2326	2552	2761	3171	3588	3568	3494	3311	2846	2846	2600	2199	2302
NGP Slice Sale	1598	1357	1111	1280	1378	1362	1007	1046	1104	1065	941	1098	1232	1411
GPU Slice Sale	2661	2259	1850	2132	2295	2269	1677	1742	1838	1774	1568	1829	2051	2350
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1529	1529	1517	1480	1468	1498	1494	1486	1472	1488	1488	1525	1534	1548
Intra-Regional Transfers (Out)	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-904	-900	-904	-880	-801	-622	-628	-612	-831	-777	-784	-899	-887	-908
Total Transfers Out	11398	10759	10278	11159	12474	13568	12671	12490	11850	11060	10724	10617	10348	10991
Total Firm Obligations	11851	11178	10573	11457	12675	13772	12874	12711	12093	11495	11222	11047	10773	11420
<b>Hydro Resources</b>														
Regulated Hydro	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-2940	-6247	-4299	-3312	-3230	-7776	-7488	-6495	-6117	-7367	-5827	-4711	-2513
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	230	230	230	230	230	230	230	230	230	229	229	229	229	229
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	21285	18275	15158	17209	18088	17891	13465	13950	14666	14596	13042	15053	16766	18998
<b>Other Resources</b>														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	89	89	118	154	207	261	235	191	163	166	166	76	94	110
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1320	1320	1372	1409	1463	1496	1471	1426	1398	1400	1400	1307	1325	1341
Total Resources	22604	19595	16530	18618	19551	19387	14936	15376	16063	15996	14442	16360	18091	20339
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1058	-1049	-1059	-1064	-1058	-1045	-1051	-1060	-1047	-1024	-1009	-1033	-1062	-1064
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-454	-392	-314	-365	-396	-412	-313	-313	-330	-318	-286	-337	-382	-409
Federal Transmission Losses	-591	-510	-409	-478	-510	-532	-402	-400	-422	-416	-374	-437	-497	-533
Total Reserves, Maintenance & Losses	-5543	-4888	-4728	-4835	-4846	-4032	-3349	-3833	-3890	-3996	-3651	-3740	-3753	-4967
Total Net Resources	17061	14707	11803	13783	14705	15355	11586	11543	12173	11999	10791	12620	14338	15372
Total Firm Surplus/Deficit	5210	3529	1229	2325	2031	1583	-1288	-1168	80	504	-431	1573	3565	3952

Section 10  
Monthly Regional Tables  
Loads & Resources  
Capacity in Megawatts

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	25277	25242	23748	24966	27997	30592	31440	30062	27741	25887	25948	25205	25324	26009
Exports	3025	3025	3017	2560	2476	2497	2346	2340	2330	2351	2351	2428	2828	2838
Federal Diversity	-804	-799	-792	-762	-695	-544	-561	-545	-738	-699	-705	-810	-792	-801
Total Firm Regional Loads	27499	27468	25972	26765	29777	32545	33225	31857	29333	27539	27593	26823	27359	28047
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	156	156	129	96	159	108	176	126	173	134	134	119	160	147
Total Non-Firm Regional Loads	156	156	129	96	159	108	176	126	173	134	134	119	160	147
Total Loads	27655	27624	26101	26861	29937	32653	33401	31982	29506	27673	27727	26942	27519	28193
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-225	-3255	-6247	-4686	-3662	-3702	-7776	-7488	-6936	-6299	-7367	-6057	-4916	-2753
Total Hydro Resources	32721	29458	26760	28201	29101	28704	24011	24557	25156	25501	24218	25657	28257	30351
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3380	3380	3387	3447	3457	3464	3464	3186	3182	2806	2806	2426	2542	3430
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	516	516	438	519	993	1168	1168	1147	772	661	661	420	528	610
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	5638	5766	5132	5688	6992
Non-Utility Generation	1356	1356	1258	1170	1125	1100	1079	1108	1146	1298	1298	948	1448	1403
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14578	14578	14413	14469	14919	15063	15063	14790	13679	12748	12875	10465	12543	14750
Total Resources	47299	44036	41173	42670	44020	43767	39074	39347	38835	38249	37092	36121	40800	45100
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-354	-354	-349	-348	-347	-345	-345	-333	-302	-322	-322	-246	-316	-357
Contract Reserves	-31	-31	-19	-22	-24	-36	-35	-34	-28	-28	-28	-30	-31	-34
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1029	-846	-865	-770	-853	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-923	-856	-792	-830	-878	-890	-786	-781	-784	-787	-765	-661	-824	-887
Regional Transmission Losses	-1296	-1209	-1123	-1192	-1244	-1266	-1129	-1114	-1087	-1069	-1040	-1021	-1170	-1253
Total Reserves, Maintenance & Losses	-9894	-9165	-8769	-8294	-8115	-7244	-6495	-7199	-7461	-7394	-7083	-6673	-7055	-8955
Total Net Resources	37405	34871	32403	34377	35905	36523	32579	32149	31374	30855	30009	29449	33745	36146
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	9906	7403	6431	7612	6127	3979	-646	292	2041	3317	2416	2625	6385	8099
Total Surplus/Deficit	9750	7247	6302	7516	5968	3870	-822	166	1867	3182	2282	2507	6226	7952

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	25784	25750	24132	25497	28427	31037	31803	30384	28139	26265	26325	25627	25626	26419
Exports	2798	2798	2789	2261	2177	2199	2196	2190	2180	2200	2200	2277	2680	2608
Federal Diversity	-793	-788	-793	-768	-701	-548	-566	-548	-745	-703	-709	-810	-793	-803
Total Firm Regional Loads	27789	27759	26128	26990	29903	32688	33433	32026	29574	27762	27816	27094	27512	28225
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	133	133	129	129	154	70	136	139	173	145	145	115	161	146
Total Non-Firm Regional Loads	133	133	129	129	154	70	136	139	173	145	145	115	161	146
Total Loads	27922	27892	26257	27118	30058	32757	33570	32165	29747	27907	27962	27209	27673	28372
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-204	-3215	-6247	-4635	-3609	-3633	-7776	-7488	-6893	-6299	-7367	-6055	-4897	-2746
Total Hydro Resources	32742	29497	26760	28252	29154	28773	24011	24557	25198	25501	24218	25659	28276	30357
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3430	3437	3447	3457	3464	3464	3461	3182	3176	2806	2799	2660	2535	3430
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	580	580	507	540	1034	1140	1143	1119	730	643	643	343	526	588
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6731	6436	5906	5612	6992	6252
Non-Utility Generation	1357	1357	1258	1170	1125	1100	1071	1101	1139	1290	1290	941	1441	1396
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14693	14700	14542	14501	14967	15035	15027	14750	13496	13520	12983	11095	13830	13980
Total Resources	47435	44197	41302	42753	44121	43808	39038	39308	38695	39021	37200	36754	42106	44337
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-356	-356	-352	-348	-347	-345	-345	-332	-302	-322	-322	-257	-316	-357
Contract Reserves	-32	-32	-29	-29	-34	-35	-35	-33	-24	-26	-26	-18	-31	-30
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1010	-965	-886	-842	-1049	-938
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-924	-857	-793	-831	-879	-891	-785	-780	-781	-790	-764	-679	-874	-887
Regional Transmission Losses	-1301	-1214	-1127	-1194	-1248	-1267	-1128	-1113	-1084	-1091	-1043	-1039	-1205	-1231
Total Reserves, Maintenance & Losses	-9904	-9176	-8787	-8304	-8128	-7245	-6492	-7195	-7431	-7535	-7103	-6780	-7335	-8818
Total Net Resources	37531	35021	32515	34450	35993	36563	32547	32113	31264	31486	30097	29974	34771	35519
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	9742	7262	6387	7460	6089	3875	-887	87	1691	3724	2281	2880	7259	7294
Total Surplus/Deficit	9609	7129	6258	7331	5935	3805	-1023	-52	1517	3579	2136	2765	7098	7148

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	26204	26170	24504	26232	29182	31864	32638	31178	28914	27029	27089	26390	26378	27201
Exports	2628	2628	2618	1995	1913	1935	1933	1927	1916	1935	1935	2011	2415	2425
Federal Diversity	-796	-792	-798	-824	-746	-582	-593	-575	-785	-739	-745	-848	-837	-862
Total Firm Regional Loads	28035	28005	26324	27403	30349	33217	33977	32530	30044	28225	28280	27553	27956	28764
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	134	134	127	117	152	70	179	166	178	145	145	115	170	147
Total Non-Firm Regional Loads	134	134	127	117	152	70	179	166	178	145	145	115	170	147
Total Loads	28169	28140	26451	27520	30501	33287	34156	32696	30222	28370	28425	27668	28126	28911
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-186	-3175	-6247	-4569	-3551	-3556	-7776	-7488	-6819	-6299	-7367	-5997	-4855	-2704
Total Hydro Resources	32760	29537	26760	28319	29212	28850	24011	24557	25272	25501	24218	25718	28319	30399
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3437	3447	3457	3464	3464	3461	3457	3176	3176	2799	2792	2654	2535	3437
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	491	491	450	479	965	1079	1023	1002	630	540	540	307	459	472
Large Thermal	6252	6992	6992	6992	6992	6992	6992	6992	6858	5918	5260	3414	4782	6462
Non-Utility Generation	1318	1318	1236	1183	1130	1113	1092	1122	1160	1311	1311	951	1469	1420
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	13833	14583	14473	14460	14902	14984	14925	14648	13545	12913	12249	8864	11582	14106
Total Resources	46593	44120	41233	42778	44114	43834	38936	39206	38817	38414	36466	34581	39901	44505
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-355	-355	-352	-349	-347	-346	-346	-333	-303	-323	-322	-257	-317	-359
Contract Reserves	-19	-19	-20	-20	-24	-26	-25	-23	-17	-18	-18	-13	-21	-21
Large Thermal Reserves	-938	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1029	-888	-789	-512	-717	-969
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-924	-858	-793	-832	-880	-893	-785	-780	-786	-790	-761	-646	-841	-888
Regional Transmission Losses	-1277	-1212	-1125	-1195	-1248	-1268	-1125	-1110	-1087	-1074	-1022	-978	-1144	-1236
Total Reserves, Maintenance & Losses	-9754	-9160	-8776	-8298	-8120	-7240	-6480	-7183	-7453	-7433	-6975	-6352	-6901	-8847
Total Net Resources	36839	34960	32457	34480	35994	36595	32456	32023	31364	30981	29492	28229	33000	35658
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	8804	6955	6133	7077	5645	3378	-1521	-507	1320	2756	1212	675	5045	6894
Total Surplus/Deficit	8669	6820	6006	6960	5493	3308	-1700	-673	1142	2611	1067	561	4875	6747

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	26978	26944	25245	26564	29554	32274	33112	31663	29365	27422	27482	26717	26822	27580
Exports	2415	2415	2406	1970	1889	1912	1806	1795	1789	1808	1782	1832	1928	1939
Federal Diversity	-868	-864	-866	-829	-752	-587	-598	-582	-792	-743	-749	-855	-846	-867
Total Firm Regional Loads	28525	28495	26785	27705	30691	33600	34321	32877	30362	28487	28515	27693	27904	28653
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	135	135	128	102	154	70	180	149	168	139	139	141	169	149
Total Non-Firm Regional Loads	135	135	128	102	154	70	180	149	168	139	139	141	169	149
Total Loads	28660	28630	26912	27807	30845	33669	34501	33026	30530	28626	28655	27835	28074	28801
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-149	-3105	-6247	-4486	-3471	-3450	-7776	-7488	-6737	-6299	-7367	-5962	-4814	-2648
Total Hydro Resources	32797	29607	26760	28401	29292	28956	24011	24558	25355	25501	24218	25752	28359	30455
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3447	3457	3464	3464	3461	3457	3451	3176	3169	2792	2785	2412	2542	3447
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	472	472	358	433	908	1054	698	729	659	564	564	353	486	511
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6864	6436	6302	4795	6308	6992
Non-Utility Generation	1368	1368	1286	1184	1130	1114	1092	1122	1160	1311	1311	1196	1462	1420
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14614	14624	14439	14414	14844	14955	14593	14376	13574	13448	13308	10294	13134	14684
Total Resources	47411	44231	41198	42815	44135	43910	38605	38933	38928	38949	37525	36046	41493	45140
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-358	-354	-349	-347	-345	-345	-333	-302	-322	-322	-257	-317	-359
Contract Reserves	-24	-24	-15	-20	-23	-30	-21	-27	-22	-22	-22	-20	-25	-27
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1030	-965	-945	-719	-946	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-925	-860	-793	-834	-882	-896	-785	-780	-789	-790	-760	-677	-876	-889
Regional Transmission Losses	-1300	-1215	-1124	-1196	-1248	-1271	-1114	-1101	-1091	-1089	-1052	-1019	-1188	-1254
Total Reserves, Maintenance & Losses	-9897	-9173	-8772	-8302	-8122	-7248	-6465	-7178	-7464	-7529	-7164	-6639	-7213	-8953
Total Net Resources	37513	35058	32426	34512	36014	36662	32140	31755	31465	31420	30361	29407	34280	36187
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	8988	6562	5642	6808	5323	3063	-2181	-1121	1102	2933	1846	1714	6376	7534
Total Surplus/Deficit	8854	6428	5514	6705	5169	2993	-2361	-1270	935	2794	1706	1573	6207	7386

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<b>Firm Regional Loads</b>														
Regional Firm Loads	27356	27322	25593	26948	30013	32726	33518	32055	29749	27776	27837	27051	27238	27991
Exports	1933	1933	1923	1824	1760	1785	1782	1775	1763	1782	1782	1831	1928	1939
Federal Diversity	-877	-872	-871	-836	-760	-590	-604	-585	-799	-749	-755	-864	-851	-875
Total Firm Regional Loads	28412	28383	26644	27935	31013	33920	34696	33245	30714	28809	28863	28018	28315	29056
<b>Non-Firm Regional Loads</b>														
Regional Non-Firm Loads	164	164	127	96	158	109	178	125	175	97	97	119	159	140
Total Non-Firm Regional Loads	164	164	127	96	158	109	178	125	175	97	97	119	159	140
Total Loads	28577	28547	26772	28031	31171	34029	34874	33370	30889	28906	28961	28136	28474	29196
<b>Hydro Resources</b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-132	-3071	-6247	-4448	-3438	-3405	-7776	-7488	-6690	-6299	-7367	-5935	-4793	-2621
Total Hydro Resources	32814	29641	26760	28439	29325	29001	24011	24558	25402	25501	24218	25779	28381	30482
<b>Other Resources</b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3457	3464	3464	3461	3457	3451	3451	3169	3162	2785	2785	2660	2552	3457
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	311	311	261	297	456	554	558	547	515	418	418	219	317	332
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	6436	5778	3287	4948	6992
Non-Utility Generation	1369	1369	1286	1184	1130	1114	1093	1122	1160	1312	1312	1196	1462	1420
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14463	14470	14341	14275	14388	14449	14454	14187	13416	13295	12638	8901	11616	14516
Total Resources	47277	44111	41101	42714	43712	43450	38465	38744	38818	38797	36856	34680	39996	44998
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-358	-354	-349	-347	-345	-345	-332	-302	-322	-322	-270	-318	-360
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1029	-965	-867	-493	-742	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-925	-860	-793	-835	-883	-897	-785	-780	-790	-790	-761	-644	-842	-890
Regional Transmission Losses	-1297	-1212	-1121	-1194	-1235	-1256	-1110	-1095	-1088	-1085	-1033	-982	-1147	-1250
Total Reserves, Maintenance & Losses	-9871	-9147	-8754	-8280	-8086	-7205	-6440	-7145	-7439	-7503	-7045	-6335	-6909	-8923
Total Net Resources	37406	34964	32346	34434	35626	36245	32025	31600	31379	31294	29811	28346	33087	36075
<b>Surplus/Deficits</b>														
Firm Surplus/Deficit	8994	6582	5702	6499	4613	2325	-2670	-1646	666	2485	948	328	4772	7019
Total Surplus/Deficit	8829	6417	5575	6403	4455	2217	-2849	-1771	490	2388	851	209	4613	6879

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	27754	27720	25965	27312	30434	33208	33972	32467	30148	28137	28198	27436	27643	28427
Exports	1957	1957	1946	1847	1794	1819	1816	1809	1797	1815	1815	1863	1937	1949
Federal Diversity	-884	-879	-879	-844	-767	-595	-609	-590	-806	-756	-762	-872	-859	-883
Total Firm Regional Loads	28827	28798	27032	28315	31461	34432	35179	33686	31139	29196	29250	28427	28720	29493
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	136	136	128	102	149	76	178	126	173	131	131	119	158	143
Total Non-Firm Regional Loads	136	136	128	102	149	76	178	126	173	131	131	119	158	143
Total Loads	28963	28934	27160	28417	31610	34508	35356	33812	31312	29327	29382	28546	28878	29636
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-116	-3038	-6247	-4411	-3406	-3360	-7776	-7488	-6642	-6293	-7367	-5907	-4772	-2594
Total Hydro Resources	32830	29674	26760	28477	29357	29046	24011	24558	25449	25508	24218	25807	28402	30509
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3464	3217	3214	3210	3204	3204	3197	2915	2908	2538	2545	2424	2315	3217
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	311	311	261	297	456	554	558	547	515	418	418	219	237	252
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	5766	5766	5637	5568	6992
Non-Utility Generation	1369	1369	1286	1184	1130	1114	1093	1122	1160	1312	1312	1196	1470	1420
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14471	14224	14091	14024	14135	14202	14200	13933	13162	12378	12385	11014	11927	14196
Total Resources	47301	43898	40851	42501	43492	43248	38211	38490	38611	37886	36603	36821	40329	44705
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-346	-342	-337	-334	-333	-333	-320	-289	-310	-310	-258	-306	-348
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1029	-865	-865	-846	-835	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-926	-861	-793	-836	-883	-898	-785	-780	-791	-790	-764	-679	-877	-890
Regional Transmission Losses	-1297	-1205	-1113	-1187	-1228	-1250	-1102	-1087	-1081	-1058	-1025	-1042	-1154	-1241
Total Reserves, Maintenance & Losses	-9872	-9129	-8734	-8261	-8067	-7187	-6419	-7124	-7421	-7363	-7026	-6769	-7033	-8902
Total Net Resources	37429	34769	32117	34239	35425	36061	31792	31366	31190	30523	29576	30051	33295	35802
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	8601	5972	5085	5924	3964	1630	-3386	-2320	51	1327	326	1624	4575	6309
Total Surplus/Deficit	8465	5836	4957	5822	3815	1554	-3564	-2446	-122	1195	195	1506	4417	6167



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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	28177	28143	26343	27691	30864	33675	34399	32847	30482	28472	28533	27809	28034	28837
Exports	1905	1905	1894	1795	1750	1777	1773	1766	1753	1771	1771	1811	1909	1921
Federal Diversity	-892	-887	-887	-853	-772	-601	-614	-595	-813	-762	-769	-879	-866	-892
Total Firm Regional Loads	29190	29160	27349	28633	31842	34850	35558	34018	31422	29481	29536	28741	29077	29867
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	147	147	128	97	155	73	176	126	173	146	146	119	160	144
Total Non-Firm Regional Loads	147	147	128	97	155	73	176	126	173	146	146	119	160	144
Total Loads	29336	29307	27477	28730	31997	34923	35733	34144	31596	29627	29682	28860	29236	30011
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924
Sustained Peaking Adjustment	-101	-3009	-6247	-4378	-3377	-3321	-7776	-7488	-6600	-6242	-7367	-5884	-4753	-2571
Total Hydro Resources	32844	29704	26760	28510	29386	29086	24011	24558	25491	25558	24218	25831	28420	30533
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3217	3214	3210	3451	3451	3444	3437	3155	3155	2792	2802	2438	2569	3464
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	231	231	261	297	358	456	460	449	417	320	320	219	237	252
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6992	5102	5236	4475	4948	6992
Non-Utility Generation	1369	1369	1286	1184	1138	1122	1100	1130	1168	1320	1320	1196	1462	1420
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14144	14141	14087	14265	14292	14352	14349	14083	13453	11879	12022	9867	11553	14443
Total Resources	46988	43844	40847	42775	43678	43437	38361	38640	38944	37437	36240	35698	39973	44976
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-346	-346	-342	-349	-347	-345	-345	-332	-302	-323	-323	-259	-318	-360
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-765	-785	-671	-742	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-926	-862	-793	-837	-884	-899	-785	-781	-796	-787	-765	-645	-843	-891
Regional Transmission Losses	-1287	-1203	-1113	-1196	-1234	-1256	-1107	-1092	-1091	-1046	-1015	-1011	-1146	-1250
Total Reserves, Maintenance & Losses	-9850	-9127	-8734	-8283	-8087	-7206	-6436	-7141	-7469	-7262	-6951	-6531	-6910	-8924
Total Net Resources	37138	34717	32113	34492	35591	36231	31925	31499	31475	30175	29290	29166	33062	36052
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	7948	5557	4764	5858	3749	1381	-3633	-2519	53	694	-246	425	3985	6185
Total Surplus/Deficit	7801	5410	4636	5761	3594	1308	-3809	-2645	-120	547	-392	307	3826	6041

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<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	28573	28539	26693	28200	31328	34274	34698	33196	30808	28681	28741	28154	28319	29266
Exports	1909	1909	1898	1800	1756	1784	1780	1773	1759	1777	1777	1816	1884	1897
Federal Diversity	-896	-892	-894	-870	-791	-614	-619	-603	-819	-766	-772	-886	-874	-895
Total Firm Regional Loads	29587	29557	27698	29130	32293	35444	35859	34366	31748	29691	29746	29083	29329	30268
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	133	133	129	129	154	70	174	149	158	133	133	142	173	150
Total Non-Firm Regional Loads	133	133	129	129	154	70	174	149	158	133	133	142	173	150
Total Loads	29720	29690	27827	29258	32447	35513	36033	34515	31906	29825	29879	29226	29502	30418
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30073	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924
Sustained Peaking Adjustment	-100	-2987	-6247	-4353	-3357	-3293	-7776	-7488	-6568	-6203	-7367	-5867	-4741	-2553
Total Hydro Resources	32846	29725	26760	28534	29406	29114	24011	24558	25524	25597	24218	25848	28433	30551
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3461	3457	3451	3451	3444	3437	3430	3155	3162	2802	2812	2446	2569	3461
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	231	231	261	297	358	456	460	449	417	320	320	219	237	252
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	6436	6308	4564	6098	6992
Non-Utility Generation	1369	1369	1286	1184	1138	1122	1101	1130	1168	1320	1320	1197	1462	1421
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14388	14384	14328	14265	14285	14345	14343	14083	13326	13223	13106	9963	12703	14440
Total Resources	47233	44109	41088	42799	43691	43458	38354	38641	38850	38820	37323	35811	41136	44991
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-358	-354	-349	-347	-345	-345	-332	-303	-323	-324	-259	-318	-360
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1029	-965	-946	-685	-915	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-926	-862	-793	-838	-885	-900	-785	-781	-793	-792	-761	-699	-862	-891
Regional Transmission Losses	-1295	-1212	-1121	-1196	-1234	-1257	-1106	-1092	-1089	-1085	-1046	-1012	-1179	-1250
Total Reserves, Maintenance & Losses	-9870	-9149	-8753	-8284	-8087	-7207	-6435	-7141	-7443	-7507	-7139	-6601	-7134	-8925
Total Net Resources	37363	34960	32335	34515	35604	36251	31919	31500	31407	31313	30184	29210	34001	36066
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	7777	5403	4637	5385	3311	808	-3941	-2866	-341	1621	438	127	4673	5798
Total Surplus/Deficit	7644	5270	4508	5256	3157	738	-4115	-3016	-499	1488	305	-16	4500	5648

**Loads and Resources - Pacific Northwest Region**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b>Firm Regional Loads</b>														
Regional Firm Loads	29018	28984	27117	28518	31682	34718	35212	33703	31229	29099	29160	28561	28740	29728
Exports	1884	1884	1873	1785	1742	1771	1767	1760	1746	1763	1763	1801	1869	1882
Federal Diversity	-898	-893	-898	-874	-795	-617	-623	-607	-825	-772	-778	-892	-881	-901
Total Firm Regional Loads	30004	29975	28092	29429	32629	35871	36355	34855	32149	30090	30144	29469	29728	30710
<b>Non-Firm Regional Loads</b>														
Regional Non-Firm Loads	136	136	127	95	159	107	179	139	178	145	145	115	168	150
Total Non-Firm Regional Loads	136	136	127	95	159	107	179	139	178	145	145	115	168	150
Total Loads	30140	30111	28220	29524	32787	35978	36534	34994	32328	30235	30290	29583	29896	30859
<b>Hydro Resources</b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924
Sustained Peaking Adjustment	-100	-2961	-6247	-4323	-3332	-3258	-7776	-7488	-6528	-6156	-7367	-5844	-4724	-2531
Total Hydro Resources	32846	29751	26760	28565	29432	29149	24011	24558	25564	25645	24218	25871	28450	30573
<b>Other Resources</b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3457	3451	3451	3444	3437	3430	3430	3162	3172	2812	2819	2446	2566	3457
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	231	231	261	297	328	426	430	419	417	320	320	219	237	252
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6864	5906	5772	4328	5102	6992
Non-Utility Generation	1369	1369	1287	1184	1138	1122	1101	1131	1169	1320	1320	1197	1471	1421
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14384	14378	14329	14258	14248	14308	14313	14060	13343	12703	12577	9729	11712	14437
Total Resources	47230	44129	41088	42823	43680	43457	38325	38618	38907	38348	36794	35599	40163	45010
<b>Reserves &amp; Maintenance</b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-358	-354	-349	-346	-345	-345	-332	-303	-324	-324	-259	-319	-360
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1030	-886	-866	-649	-765	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-926	-863	-793	-839	-886	-901	-785	-781	-794	-793	-761	-662	-829	-892
Regional Transmission Losses	-1295	-1212	-1121	-1197	-1234	-1256	-1105	-1091	-1090	-1072	-1031	-1008	-1152	-1251
Total Reserves, Maintenance & Losses	-9870	-9150	-8753	-8286	-8087	-7208	-6434	-7141	-7448	-7416	-7044	-6523	-6925	-8926
Total Net Resources	37360	34980	32335	34537	35593	36249	31890	31477	31459	30932	29751	29076	33238	36084
<b>Surplus/Deficits</b>														
Firm Surplus/Deficit	7355	5005	4243	5108	2964	378	-4465	-3378	-690	842	-394	-393	3509	5374
Total Surplus/Deficit	7220	4869	4115	5013	2805	271	-4644	-3516	-868	697	-539	-508	3341	5225

**Loads and Resources - Pacific Northwest Region**  
**PNW Loads and Resources Study**  
**2013 - 2014 Operating Year**  
**1937 Water Year**  
**[22] 2003 White Book**

3/31/2004

<i>Capacity 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>
<b><u>Firm Regional Loads</u></b>														
Regional Firm Loads	29474	29440	27521	28919	32151	35218	35676	34134	31672	29513	29574	28950	29275	30007
Exports	1870	1870	1857	1790	1748	1778	1774	1767	1752	1768	1768	1806	1814	1828
Federal Diversity	-904	-900	-904	-880	-801	-622	-628	-612	-831	-777	-784	-899	-887	-908
Total Firm Regional Loads	30439	30410	28474	29828	33098	36374	36822	35289	32593	30504	30559	29857	30202	30927
<b><u>Non-Firm Regional Loads</u></b>														
Regional Non-Firm Loads	135	135	127	94	158	107	179	138	178	145	145	114	167	25
Total Non-Firm Regional Loads	135	135	127	94	158	107	179	138	178	145	145	114	167	25
Total Loads	30575	30545	28601	29923	33257	36481	37001	35428	32770	30649	30703	29971	30369	30952
<b><u>Hydro Resources</u></b>														
Regulated Hydro	31082	30866	31173	31068	30984	30641	30074	30219	30173	29832	29592	29643	31105	31179
Independent Hydro	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924
Sustained Peaking Adjustment	-100	-2940	-6247	-4299	-3312	-3230	-7776	-7488	-6495	-6117	-7367	-5827	-4711	-2513
Total Hydro Resources	32846	29773	26760	28589	29452	29176	24011	24558	25596	25683	24218	25887	28463	30591
<b><u>Other Resources</u></b>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	3451	3451	3444	3437	3183	3183	3437	3172	3182	2819	2819	2442	2562	3451
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2221	2221	2225	2227	2234	2218	2239	2236	1603	2228	2228	1425	2223	2201
Imports	231	231	261	297	328	426	430	419	417	320	320	219	237	252
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6864	6436	6302	4960	6098	6992
Non-Utility Generation	1370	1370	1287	1185	1139	1123	1102	1132	1169	1321	1321	1198	1463	1421
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14378	14378	14322	14252	13995	14062	14321	14071	13354	13240	13107	10358	12697	14431
Total Resources	47224	44151	41082	42841	43447	43238	38333	38629	38950	38924	37325	36245	41159	45021
<b><u>Reserves &amp; Maintenance</u></b>														
Hydro Reserves	-1647	-1636	-1650	-1644	-1638	-1620	-1589	-1602	-1605	-1590	-1579	-1586	-1659	-1655
Small Thermal & Misc. Reserves	-358	-358	-354	-348	-334	-332	-345	-333	-304	-324	-324	-259	-318	-359
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1030	-965	-945	-744	-915	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-926	-864	-793	-839	-886	-901	-785	-781	-795	-794	-761	-665	-879	-892
Regional Transmission Losses	-1295	-1213	-1121	-1198	-1226	-1249	-1106	-1091	-1092	-1089	-1046	-1026	-1179	-1251
Total Reserves, Maintenance & Losses	-9869	-9151	-8753	-8287	-8068	-7189	-6435	-7142	-7451	-7514	-7139	-6639	-7151	-8926
Total Net Resources	37355	35000	32329	34554	35379	36049	31897	31487	31499	31410	30186	29606	34009	36095
<b><u>Surplus/Deficits</u></b>														
Firm Surplus/Deficit	6915	4590	3855	4726	2281	-326	-4925	-3802	-1093	906	-372	-251	3807	5167
Total Surplus/Deficit	6780	4455	3728	4631	2122	-433	-5104	-3940	-1271	761	-517	-365	3639	5142

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

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2004 - 2005 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	4203	2572	1354	2035	2200	1963	3076	-651	252	487	-702	-771	2912	4479
1930 Federal Surplus/Deficit	3307	2209	1354	2480	2449	1903	-759	426	382	715	-702	-931	2804	4667
1931 Federal Surplus/Deficit	3743	2620	1354	2362	2398	1993	-759	-651	44	2020	-702	351	2247	3697
1932 Federal Surplus/Deficit	3626	1823	1354	2133	2207	1828	-759	-651	3300	5003	3895	3689	4081	5286
1933 Federal Surplus/Deficit	4244	4075	1354	2480	1739	3416	4280	4156	243	2623	2691	3281	4081	5580
1934 Federal Surplus/Deficit	4242	4534	2529	4289	4013	4414	4334	4152	4692	4650	3651	3550	2049	5069
1935 Federal Surplus/Deficit	3002	661	1354	1874	1666	2774	4214	4181	44	2302	3297	3263	3899	5273
1936 Federal Surplus/Deficit	4180	2640	1354	2344	2241	1914	173	-651	891	487	3080	3689	3741	4553
1937 Federal Surplus/Deficit	4083	2263	1354	2457	2323	1873	-759	-651	231	487	-702	307	2252	4029
1938 Federal Surplus/Deficit	3784	1517	1354	2807	2092	2086	4324	2209	4573	4613	3603	3411	4012	5032
1939 Federal Surplus/Deficit	3569	1977	1354	2617	2248	1878	3515	-651	1821	2390	2455	3677	2815	4653
1940 Federal Surplus/Deficit	4177	2459	1354	2850	2134	2321	2681	839	4715	3716	3143	3215	3420	4034
1941 Federal Surplus/Deficit	3478	1685	1354	2395	1918	3013	3456	-651	514	487	-702	1373	3104	3172
1942 Federal Surplus/Deficit	3248	1970	1354	2281	1692	4220	4334	-363	44	1271	1728	3051	4081	5508
1943 Federal Surplus/Deficit	4234	4037	1354	2396	1944	2743	4237	4153	4758	4675	3652	3445	4081	5530
1944 Federal Surplus/Deficit	4244	3968	1354	2632	2308	1837	3520	-651	44	487	-702	-869	1931	2904
1945 Federal Surplus/Deficit	3345	852	1354	1958	2246	1833	-759	-651	44	487	-702	3212	4062	4592
1946 Federal Surplus/Deficit	3524	3128	1354	2678	2262	1993	3872	3803	4802	4744	3571	3452	4078	5488
1947 Federal Surplus/Deficit	4245	3783	1564	2371	2220	4343	4334	4214	4665	3678	3671	3627	4023	5333
1948 Federal Surplus/Deficit	4235	3189	1354	5238	3554	4135	4334	2625	4209	3932	3719	3689	4081	5565
1949 Federal Surplus/Deficit	4260	4669	3241	2977	2071	3114	3933	2328	4817	3997	3864	3689	3985	3914
1950 Federal Surplus/Deficit	3309	959	1354	2438	1919	1323	4047	4220	4601	4415	3161	2880	3926	5406
1951 Federal Surplus/Deficit	4089	4402	2018	4117	4020	4414	4334	4243	4686	4557	3293	3099	3754	5530
1952 Federal Surplus/Deficit	4278	4461	2718	4794	2500	4248	4328	4076	4588	4561	3567	3689	4053	4870
1953 Federal Surplus/Deficit	4198	3012	1354	2346	2395	1894	3319	4274	1562	487	2313	3689	4081	5577
1954 Federal Surplus/Deficit	4244	3834	1660	2933	2367	3853	4195	4250	4204	4447	3166	3067	4081	5408
1955 Federal Surplus/Deficit	4293	4563	5428	3900	3111	3935	2787	-651	44	2342	301	2870	4081	5587
1956 Federal Surplus/Deficit	4288	4640	1354	3719	3449	4414	4334	4139	4515	4315	3111	3325	4081	5580
1957 Federal Surplus/Deficit	4247	4224	1492	3168	2015	3964	4139	631	3726	5258	3731	3689	4081	5011
1958 Federal Surplus/Deficit	3830	2375	1354	2656	2244	2197	3975	4104	4414	2749	3964	3689	4081	4688
1959 Federal Surplus/Deficit	3855	2786	1354	2407	2991	4241	4334	4187	4446	4402	3191	3030	4081	5448
1960 Federal Surplus/Deficit	4246	4096	5273	5627	4365	4359	4323	2687	4271	5258	4038	3542	4080	5346
1961 Federal Surplus/Deficit	4240	2604	1354	2735	2585	3063	4150	4294	4842	4866	3719	3689	4081	5099
1962 Federal Surplus/Deficit	3985	3248	1354	2560	2218	1623	4123	477	365	5213	3938	3588	3866	5443
1963 Federal Surplus/Deficit	4195	3692	1354	3507	3170	4236	4187	3544	3199	2493	1857	3689	4045	5318
1964 Federal Surplus/Deficit	4237	3884	1866	2154	2316	2424	4084	2323	234	3955	2890	3361	4081	5563
1965 Federal Surplus/Deficit	4262	4371	3222	4067	2514	4414	4334	4153	4473	4276	3252	3183	4081	5080
1966 Federal Surplus/Deficit	4168	4232	1746	3394	2592	3920	4271	1722	1079	5058	2731	3566	3609	5476
1967 Federal Surplus/Deficit	4233	3531	1354	2327	2211	3012	4334	4197	3291	4385	2165	2814	4081	5555
1968 Federal Surplus/Deficit	4257	4154	2022	3066	2420	3802	4259	4211	4394	487	2001	3047	4081	5546
1969 Federal Surplus/Deficit	4238	4253	3873	4225	3595	4208	4334	4313	4744	4567	3503	3646	4081	5427
1970 Federal Surplus/Deficit	4235	3071	1354	2603	2421	2728	4216	4192	1635	487	2895	3549	4081	4053
1971 Federal Surplus/Deficit	3707	2615	1354	2618	2586	2504	4334	4259	4646	4493	3250	3163	4081	5591
1972 Federal Surplus/Deficit	4298	4702	2442	2782	2448	3907	4334	4226	4613	4390	3146	2893	4081	5556
1973 Federal Surplus/Deficit	4287	4572	3365	3104	2223	4041	4330	-651	61	487	-702	1159	3054	4406
1974 Federal Surplus/Deficit	3607	1301	1354	1711	1658	4276	4334	4181	4431	4095	2856	2566	4067	5552
1975 Federal Surplus/Deficit	4298	4690	3263	2062	2262	2908	4245	3997	4638	4011	3126	2974	4081	5557
1976 Federal Surplus/Deficit	3787	3203	1863	3775	3858	4414	4334	4261	4717	4558	3262	3169	3917	5556
1977 Federal Surplus/Deficit	4289	4793	5789	3371	2271	2226	3544	-651	44	487	-702	876	1369	2846
1978 Federal Surplus/Deficit	3642	838	1354	1235	1877	2605	4147	2826	4666	4009	3473	3385	3785	5486
<b>-Ranked Averages-</b>														
Top Ten Percent	4219	4349	3282	4610	3698	4328	4331	3894	4596	4719	3610	3505	3603	5248
Middle Eighty Percent	4000	3152	1854	2753	2358	3092	3817	2540	2962	3264	2677	3067	3833	5095
Bottom Ten Percent	3744	2383	1354	2378	2345	1888	97	-436	149	839	-702	414	2659	3978

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2005 - 2006 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	5502	3895	1476	2081	2231	1993	2690	-1038	-136	125	-678	5.9	3673	4214
1930 Federal Surplus/Deficit	4627	3536	1476	2515	2484	1939	-1169	76	-0.4	378	-678	-150	3574	4409
1931 Federal Surplus/Deficit	5062	3947	1476	2395	2432	2034	-1169	-1038	-366	1678	-678	1133	3029	3448
1932 Federal Surplus/Deficit	4946	3157	1476	2173	2242	1861	-1169	-1038	2901	4647	3919	4452	4833	5026
1933 Federal Surplus/Deficit	5543	5389	1476	2522	1778	3429	3874	3769	-130	2301	2731	4044	4833	5317
1934 Federal Surplus/Deficit	5557	5846	2698	4319	4026	4404	3924	3764	4282	4288	3674	4313	2826	4812
1935 Federal Surplus/Deficit	4329	2009	1476	1916	1704	2795	3808	3794	-366	1963	3331	4032	4657	5015
1936 Federal Surplus/Deficit	5479	3968	1476	2387	2278	1956	-186	-1038	504	125	3106	4452	4506	4296
1937 Federal Surplus/Deficit	5398	3591	1476	2496	2360	1913	-1169	-1038	-148	125	-678	1072	3018	3771
1938 Federal Surplus/Deficit	5102	2859	1476	2842	2133	2117	3919	1867	4172	4251	3627	4174	4768	4771
1939 Federal Surplus/Deficit	4889	3302	1476	2655	2279	1907	3130	-1038	1431	2047	2485	4442	3584	4394
1940 Federal Surplus/Deficit	5476	3785	1476	2888	2174	2352	2300	483	4312	3361	3182	3982	4183	3776
1941 Federal Surplus/Deficit	4798	3021	1476	2435	1957	3035	3061	-1038	128	125	-678	2152	3866	2904
1942 Federal Surplus/Deficit	4568	3300	1476	2316	1727	4214	3924	-712	-366	926	1761	3820	4833	5248
1943 Federal Surplus/Deficit	5533	5351	1476	2437	1978	2759	3829	3770	4348	4312	3676	4208	4833	5267
1944 Federal Surplus/Deficit	5543	5285	1476	2669	2338	1861	3128	-1038	-366	125	-678	-78	2699	2631
1945 Federal Surplus/Deficit	4664	2191	1476	1997	2278	1866	-1169	-1038	-366	125	-678	3977	4816	4333
1946 Federal Surplus/Deficit	4840	4447	1476	2709	2294	2018	3471	3428	4392	4381	3595	4214	4833	5227
1947 Federal Surplus/Deficit	5545	5101	1727	2407	2248	4334	3924	3827	4255	3339	3704	4390	4782	5073
1948 Federal Surplus/Deficit	5535	4507	1476	5258	3570	4133	3924	2259	3817	3589	3743	4452	4833	5302
1949 Federal Surplus/Deficit	5560	5978	3391	3014	2104	3127	3535	1962	4407	3646	3888	4452	4743	3650
1950 Federal Surplus/Deficit	4628	2293	1476	2473	1955	1360	3646	3833	4191	4052	3185	3643	4678	5143
1951 Federal Surplus/Deficit	5404	5715	2174	4143	4029	4404	3924	3856	4276	4195	3316	3862	4515	5267
1952 Federal Surplus/Deficit	5577	5774	2875	4817	2531	4241	3923	3698	4185	4198	3590	4452	4808	4608
1953 Federal Surplus/Deficit	5497	4329	1476	2384	2427	1928	2918	3887	1189	125	2353	4452	4833	5314
1954 Federal Surplus/Deficit	5543	5151	1823	2971	2400	3856	3789	3863	3811	4085	3190	3830	4833	5145
1955 Federal Surplus/Deficit	5592	5875	5569	3932	3135	3939	2406	-1038	-366	2002	365	3643	4833	5324
1956 Federal Surplus/Deficit	5588	5950	1498	3752	3465	4404	3924	3752	4105	3952	3134	4088	4833	5317
1957 Federal Surplus/Deficit	5546	5538	1655	3202	2048	3963	3735	270	3331	4895	3763	4452	4833	4748
1958 Federal Surplus/Deficit	5146	3697	1476	2692	2277	2218	3576	3723	4022	2410	3991	4452	4833	4423
1959 Federal Surplus/Deficit	5170	4108	1476	2449	3011	4235	3924	3800	4046	4040	3232	3793	4833	5186
1960 Federal Surplus/Deficit	5546	5412	5413	5640	4374	4352	3920	2336	3872	4895	4067	4312	4833	5086
1961 Federal Surplus/Deficit	5539	3926	1476	2776	2615	3080	3746	3910	4439	4517	3753	4452	4833	4841
1962 Federal Surplus/Deficit	5302	4570	1476	2601	2249	1655	3719	136	-22	4850	3962	4357	4625	5183
1963 Federal Surplus/Deficit	5495	5008	1476	3536	3190	4230	3782	3172	2806	2157	1907	4452	4800	5058
1964 Federal Surplus/Deficit	5537	5199	2029	2197	2346	2448	3682	1977	-150	3597	2928	4124	4833	5300
1965 Federal Surplus/Deficit	5561	5684	3374	4097	2547	4404	3924	3766	4063	3913	3276	3946	4833	4814
1966 Federal Surplus/Deficit	5467	5544	1904	3425	2622	3919	3865	1391	692	4703	2772	4334	4373	5217
1967 Federal Surplus/Deficit	5533	4847	1476	2369	2243	3030	3924	3810	2914	4023	2214	3576	4833	5293
1968 Federal Surplus/Deficit	5557	5471	2185	3100	2450	3804	3852	3830	3999	125	2049	3815	4833	5283
1969 Federal Surplus/Deficit	5537	5567	4022	4251	3610	4203	3924	3926	4338	4204	3527	4409	4833	5166
1970 Federal Surplus/Deficit	5534	4393	1476	2644	2452	2746	3808	3811	1259	144	2944	4316	4833	3788
1971 Federal Surplus/Deficit	5024	3934	1476	2650	2610	2517	3924	3872	4236	4130	3273	3925	4833	5329
1972 Federal Surplus/Deficit	5597	6010	2596	2817	2475	3906	3924	3839	4203	4027	3170	3655	4833	5294
1973 Federal Surplus/Deficit	5586	5883	3514	3139	2253	4038	3924	-1038	-326	125	-678	1932	3823	4146
1974 Federal Surplus/Deficit	4927	2637	1476	1747	1687	4268	3924	3794	4021	3732	2880	3329	4819	5289
1975 Federal Surplus/Deficit	5597	5999	3415	2104	2291	2921	3837	3623	4228	3668	3163	3737	4833	5294
1976 Federal Surplus/Deficit	5106	4522	2022	3802	3869	4404	3924	3874	4307	4195	3286	3932	4673	5294
1977 Federal Surplus/Deficit	5588	6092	5924	3406	2302	2249	3152	-1038	-366	125	-678	1666	2151	2590
1978 Federal Surplus/Deficit	4960	2184	1476	1237	1909	2609	3740	2453	4256	3669	3511	4147	4543	5224
<b>-Ranked Averages-</b>														
Top Ten Percent	5524	5663	3436	4634	3714	4321	3923	3516	4190	4356	3635	4270	4363	4988
Middle Eighty Percent	5307	4473	1988	2789	2388	3104	3415	2163	2564	2910	2708	3833	4589	4833
Bottom Ten Percent	5059	3710	1476	2414	2378	1923	-310	-816	-249	486	-678	1191	3427	3719

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2006 - 2007 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	5217	3636	1195	1824	1945	1690	2392	-1358	-412	32	-770	-643	2983	3801
1930 Federal Surplus/Deficit	4360	3280	1195	2244	2200	1640	-1503	-186	-272	348	-770	-802	2886	3996
1931 Federal Surplus/Deficit	4794	3690	1195	2124	2147	1734	-1503	-1358	-693	1632	-770	468	2351	3050
1932 Federal Surplus/Deficit	4681	2910	1195	1908	1959	1552	-1503	-1358	2616	4568	3827	3733	4116	4605
1933 Federal Surplus/Deficit	5258	5118	1195	2259	1503	3101	3545	3449	-392	2256	2665	3325	4116	4881
1934 Federal Surplus/Deficit	5286	5573	2472	4038	3721	4047	3590	3445	3955	4195	3582	3594	2143	4393
1935 Federal Surplus/Deficit	4069	1779	1195	1654	1427	2477	3478	3474	-693	1918	3260	3329	3951	4595
1936 Federal Surplus/Deficit	5194	3712	1195	2124	1996	1656	-452	-1358	233	32	3038	3733	3806	3885
1937 Federal Surplus/Deficit	5126	3335	1195	2229	2078	1613	-1503	-1358	-420	32	-770	395	2332	3365
1938 Federal Surplus/Deficit	4834	2618	1195	2570	1855	1814	3590	1606	3865	4158	3535	3455	4059	4356
1939 Federal Surplus/Deficit	4620	3037	1195	2390	1995	1604	2828	-1358	1161	2000	2423	3728	2894	3980
1940 Federal Surplus/Deficit	5191	3529	1195	2619	1895	2044	2007	219	4002	3296	3119	3280	3485	3371
1941 Federal Surplus/Deficit	4531	2775	1195	2173	1681	2717	2750	-1358	-144	32	-770	1476	3173	2506
1942 Federal Surplus/Deficit	4300	3045	1195	2050	1453	3863	3590	-973	-693	894	1709	3121	4116	4824
1943 Federal Surplus/Deficit	5248	5080	1195	2174	1697	2441	3500	3460	4021	4220	3583	3489	4116	4830
1944 Federal Surplus/Deficit	5258	5014	1195	2403	2051	1558	2819	-1358	-693	32	-770	-719	2019	2234
1945 Federal Surplus/Deficit	4395	1947	1195	1733	1993	1563	-1503	-1358	-693	32	-770	3277	4104	3924
1946 Federal Surplus/Deficit	4569	4180	1195	2436	2010	1718	3152	3130	4065	4289	3502	3496	4116	4802
1947 Federal Surplus/Deficit	5260	4832	1507	2145	1965	3981	3590	3507	3929	3278	3627	3671	4073	4652
1948 Federal Surplus/Deficit	5250	4237	1195	4966	3270	3787	3590	1982	3524	3522	3650	3733	4116	4865
1949 Federal Surplus/Deficit	5275	5702	3150	2746	1822	2803	3218	1683	4081	3582	3795	3733	4035	3245
1950 Federal Surplus/Deficit	4360	2041	1195	2205	1675	1067	3324	3513	3865	3959	3093	2924	3962	4706
1951 Federal Surplus/Deficit	5130	5442	1945	3863	3723	4047	3590	3536	3950	4102	3224	3143	3813	4830
1952 Federal Surplus/Deficit	5292	5499	2642	4529	2246	3890	3590	3393	3876	4106	3498	3733	4097	4195
1953 Federal Surplus/Deficit	5212	4058	1195	2119	2142	1628	2610	3567	935	32	2291	3733	4116	4877
1954 Federal Surplus/Deficit	5258	4881	1602	2704	2116	3516	3460	3543	3515	3992	3098	3111	4116	4708
1955 Federal Surplus/Deficit	5307	5600	5310	3655	2841	3600	2113	-1358	-693	1957	350	2944	4116	4887
1956 Federal Surplus/Deficit	5303	5675	1279	3476	3165	4047	3590	3432	3779	3859	3042	3369	4116	4880
1957 Federal Surplus/Deficit	5261	5265	1435	2932	1766	3621	3408	6.7	3047	4803	3686	3733	4116	4330
1958 Federal Surplus/Deficit	4875	3430	1195	2425	1994	1908	3257	3415	3723	2357	3908	3733	4116	4009
1959 Federal Surplus/Deficit	4898	3844	1195	2189	2717	3884	3590	3480	3742	3947	3163	3074	4116	4749
1960 Federal Surplus/Deficit	5261	5141	5156	5341	4065	4001	3590	2065	3574	4803	3981	3604	4116	4665
1961 Federal Surplus/Deficit	5254	3661	1195	2511	2328	2756	3419	3596	4125	4440	3673	3733	4116	4423
1962 Federal Surplus/Deficit	5032	4307	1195	2337	1964	1352	3393	-112	-296	4757	3869	3648	3921	4759
1963 Federal Surplus/Deficit	5210	4739	1195	3262	2895	3879	3454	2887	2516	2112	1857	3733	4090	4638
1964 Federal Surplus/Deficit	5252	4927	1805	1938	2060	2134	3358	1711	-423	3529	2859	3405	4116	4863
1965 Federal Surplus/Deficit	5276	5410	3135	3819	2262	4047	3590	3446	3736	3821	3183	3227	4116	4397
1966 Federal Surplus/Deficit	5182	5268	1684	3152	2336	3577	3536	1141	422	4624	2710	3626	3674	4793
1967 Federal Surplus/Deficit	5248	4579	1195	2107	1959	2709	3590	3490	2637	3930	2153	2858	4116	4856
1968 Federal Surplus/Deficit	5272	5200	1960	2831	2166	3466	3523	3520	3699	32	1995	3114	4116	4846
1969 Federal Surplus/Deficit	5252	5294	3779	3970	3310	3853	3590	3606	4026	4112	3434	3690	4116	4742
1970 Federal Surplus/Deficit	5249	4128	1195	2382	2166	2428	3478	3501	998	124	2881	3607	4116	3384
1971 Federal Surplus/Deficit	4753	3664	1195	2382	2320	2206	3590	3552	3910	4038	3181	3207	4116	4892
1972 Federal Surplus/Deficit	5312	5733	2366	2551	2189	3565	3590	3519	3877	3935	3078	2937	4116	4857
1973 Federal Surplus/Deficit	5301	5609	3271	2868	1969	3693	3590	-1358	-600	32	-770	1252	3132	3735
1974 Federal Surplus/Deficit	4660	2391	1195	1484	1411	3915	3590	3474	3694	3639	2788	2610	4103	4853
1975 Federal Surplus/Deficit	5312	5722	3175	1845	2005	2601	3508	3322	3902	3603	3093	3018	4116	4857
1976 Federal Surplus/Deficit	4835	4252	1800	3525	3565	4047	3590	3554	3981	4103	3193	3213	3968	4857
1977 Federal Surplus/Deficit	5304	5807	5660	3134	2015	1942	2843	-1358	-693	32	-770	994	1479	2195
1978 Federal Surplus/Deficit	4693	1949	1195	977	1629	2290	3412	2173	3930	3607	3437	3428	3840	4800
<b>-Ranked Averages-</b>														
Top Ten Percent	5244	5390	3199	4348	3413	3968	3590	3209	3876	4263	3544	3553	3657	4565
Middle Eighty Percent	5028	4208	1726	2521	2103	2778	3092	1860	2262	2834	2631	3122	3879	4409
Bottom Ten Percent	4787	3453	1195	2146	2094	1622	-639	-1124	-554	415	-770	524	2739	3314



Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2007 - 2008 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	4753	3216	757	1442	1523	1273	2466	-1345	-327	94	-683	213	3801	3947
1930 Federal Surplus/Deficit	3933	2869	757	1845	1784	1230	-1471	-108	-179	466	-683	56	3714	4143
1931 Federal Surplus/Deficit	4364	3275	757	1722	1730	1329	-1471	-1345	-657	1735	-683	1320	3198	3217
1932 Federal Surplus/Deficit	4252	2505	757	1516	1543	1133	-1471	-1345	2683	4643	3914	4537	4911	4742
1933 Federal Surplus/Deficit	4794	4683	757	1869	1094	2653	3585	3462	-284	2381	2782	4129	4911	4995
1934 Federal Surplus/Deficit	4823	5134	2104	3628	3274	3564	3622	3458	3991	4256	3669	4398	2980	4533
1935 Federal Surplus/Deficit	3651	1397	757	1267	1016	2043	3516	3487	-657	2026	3369	4148	4758	4734
1936 Federal Surplus/Deficit	4730	3298	757	1735	1583	1252	-335	-1345	322	137	3141	4537	4622	4036
1937 Federal Surplus/Deficit	4689	2922	757	1834	1664	1207	-1471	-1345	-324	94	-683	1224	3157	3521
1938 Federal Surplus/Deficit	4403	2225	757	2169	1446	1397	3622	1693	3919	4219	3622	4259	4861	4500
1939 Federal Surplus/Deficit	4193	2626	768	1996	1574	1185	2899	-1345	1247	2102	2533	4536	3720	4127
1940 Federal Surplus/Deficit	4727	3113	757	2224	1486	1624	2089	291	4053	3379	3237	4097	4302	3527
1941 Federal Surplus/Deficit	4104	2374	757	1782	1272	2284	2807	-1345	-55	94	-683	2319	3992	2671
1942 Federal Surplus/Deficit	3875	2639	757	1652	1041	3386	3622	-891	-657	1001	1825	3941	4911	4955
1943 Federal Surplus/Deficit	4784	4645	757	1784	1280	2001	3536	3482	4057	4281	3670	4293	4911	4945
1944 Federal Surplus/Deficit	4794	4584	757	2008	1627	1135	2881	-1345	-657	94	-683	155	2849	2399
1945 Federal Surplus/Deficit	3968	1556	757	1341	1573	1149	-1471	-1345	-657	94	-683	4094	4904	4077
1946 Federal Surplus/Deficit	4137	3756	757	2033	1591	1296	3200	3167	4101	4350	3589	4299	4911	4933
1947 Federal Surplus/Deficit	4795	4402	1136	1750	1542	3500	3622	3520	3965	3379	3727	4475	4878	4788
1948 Federal Surplus/Deficit	4786	3810	757	4541	2827	3316	3622	2038	3594	3615	3738	4537	4911	4980
1949 Federal Surplus/Deficit	4810	5254	2757	2350	1404	2358	3269	1738	4117	3670	3883	4537	4840	3402
1950 Federal Surplus/Deficit	3933	1643	757	1807	1261	661	3371	3526	3901	4021	3180	3728	4757	4821
1951 Federal Surplus/Deficit	4695	5004	1564	3450	3270	3564	3622	3549	3985	4163	3311	3947	4623	4945
1952 Federal Surplus/Deficit	4828	5060	2259	4110	1824	3412	3622	3422	3928	4167	3585	4537	4898	4343
1953 Federal Surplus/Deficit	4748	3632	757	1725	1722	1216	2663	3581	1046	94	2409	4537	4911	4992
1954 Federal Surplus/Deficit	4794	4452	1231	2310	1697	3053	3498	3556	3584	4054	3185	3915	4911	4823
1955 Federal Surplus/Deficit	4843	5159	4899	3249	2409	3138	2194	-1345	-657	2064	517	3768	4911	5002
1956 Federal Surplus/Deficit	4839	5231	915	3071	2721	3564	3622	3446	3815	3921	3129	4173	4911	4995
1957 Federal Surplus/Deficit	4797	4830	1065	2532	1348	3154	3449	76	3119	4864	3790	4537	4911	4471
1958 Federal Surplus/Deficit	4441	3013	757	2028	1575	1478	3306	3440	3790	2460	4003	4537	4911	4153
1959 Federal Surplus/Deficit	4463	3425	757	1801	2282	3406	3622	3493	3799	4009	3276	3878	4911	4863
1960 Federal Surplus/Deficit	4797	4709	4746	4907	3611	3524	3622	2136	3635	4864	4075	4420	4911	4801
1961 Federal Surplus/Deficit	4790	3241	757	2120	1905	2315	3460	3610	4173	4521	3776	4537	4911	4563
1962 Federal Surplus/Deficit	4599	3883	757	1948	1543	936	3435	-16	-210	4819	3956	4462	4730	4893
1963 Federal Surplus/Deficit	4745	4309	757	2855	2459	3402	3493	2932	2587	2222	1992	4537	4892	4775
1964 Federal Surplus/Deficit	4787	4494	1434	1553	1637	1705	3403	1792	-333	3607	2972	4209	4911	4978
1965 Federal Surplus/Deficit	4812	4973	2745	3411	1843	3564	3622	3459	3772	3882	3271	4031	4911	4536
1966 Federal Surplus/Deficit	4718	4832	1310	2748	1914	3110	3574	1244	510	4700	2830	4440	4490	4925
1967 Federal Surplus/Deficit	4783	4146	757	1719	1540	2271	3622	3503	2731	3991	2282	3661	4911	4970
1968 Federal Surplus/Deficit	4808	4768	1588	2433	1744	3003	3561	3544	3763	94	2128	3933	4911	4961
1969 Federal Surplus/Deficit	4788	4859	3385	3557	2867	3378	3622	3619	4073	4173	3521	4494	4911	4876
1970 Federal Surplus/Deficit	4785	3706	757	1993	1744	1991	3513	3525	1101	278	3007	4420	4911	3540
1971 Federal Surplus/Deficit	4324	3242	757	1981	1889	1768	3622	3565	3946	4099	3268	4010	4911	5007
1972 Federal Surplus/Deficit	4848	5287	1983	2154	1763	3098	3622	3532	3913	3996	3165	3741	4911	4971
1973 Federal Surplus/Deficit	4837	5168	2877	2469	1547	3223	3622	-1345	-512	94	-683	2087	3957	3885
1974 Federal Surplus/Deficit	4232	1993	757	1090	992	3435	3622	3487	3730	3701	2875	3414	4898	4967
1975 Federal Surplus/Deficit	4848	5277	2785	1458	1581	2158	3545	3356	3938	3697	3204	3822	4911	4972
1976 Federal Surplus/Deficit	4407	3831	1425	3114	3116	3564	3622	3568	4017	4164	3281	4017	4773	4971
1977 Federal Surplus/Deficit	4839	5342	5242	2733	1592	1517	2906	-1345	-657	94	-683	1850	2327	2365
1978 Federal Surplus/Deficit	4263	1564	757	596	1211	1838	3451	2221	3966	3707	3548	4232	4647	4931
<b>-Ranked Averages-</b>														
Top Ten Percent	4786	4953	2812	3930	2969	3489	3622	3237	3923	4325	3632	4359	4465	4699
Middle Eighty Percent	4577	3785	1308	2125	1681	2332	3137	1892	2323	2913	2734	3933	4682	4540
Bottom Ten Percent	4350	3041	757	1750	1675	1210	-601	-1098	-495	496	-683	1370	3564	3471

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2008 - 2009 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	4837	3322	864	1568	1589	1372	2428	-1379	-344	52	-751	-537	3065	3904
1930 Federal Surplus/Deficit	4034	2977	864	1962	1850	1332	-1530	-107	-194	462	-751	-695	2979	4100
1931 Federal Surplus/Deficit	4464	3382	864	1840	1796	1430	-1530	-1379	-706	1723	-751	563	2467	3182
1932 Federal Surplus/Deficit	4352	2616	864	1637	1610	1230	-1530	-1379	2658	4608	3847	3754	4162	4693
1933 Federal Surplus/Deficit	4878	4781	864	1991	1166	2738	3530	3428	-294	2368	2730	3346	4162	4937
1934 Federal Surplus/Deficit	4907	5227	2243	3740	3329	3633	3564	3423	3942	4215	3602	3615	2247	4486
1935 Federal Surplus/Deficit	3756	1521	864	1390	1088	2133	3460	3453	-706	2012	3313	3374	4014	4686
1936 Federal Surplus/Deficit	4814	3406	864	1857	1651	1354	-353	-1379	307	138	3087	3754	3881	3993
1937 Federal Surplus/Deficit	4785	3030	864	1954	1731	1309	-1530	-1379	-339	52	-751	461	2423	3482
1938 Federal Surplus/Deficit	4502	2343	864	2286	1516	1497	3564	1692	3881	4178	3555	3476	4115	4453
1939 Federal Surplus/Deficit	4294	2736	913	2116	1641	1284	2859	-1379	1232	2088	2482	3754	2984	4083
1940 Federal Surplus/Deficit	4811	3221	864	2342	1556	1721	2054	289	4013	3353	3185	3324	3562	3488
1941 Federal Surplus/Deficit	4205	2488	864	1905	1343	2375	2762	-1379	-71	52	-751	1558	3254	2639
1942 Federal Surplus/Deficit	3977	2751	864	1774	1114	3458	3564	-887	-706	995	1780	3169	4162	4903
1943 Federal Surplus/Deficit	4868	4743	864	1906	1348	2092	3480	3453	4008	4240	3603	3510	4162	4887
1944 Federal Surplus/Deficit	4878	4682	864	2128	1691	1235	2836	-1379	-706	52	-751	-589	2118	2367
1945 Federal Surplus/Deficit	4070	1675	864	1463	1640	1249	-1530	-1379	-706	52	-751	3321	4157	4035
1946 Federal Surplus/Deficit	4237	3860	864	2149	1658	1397	3151	3144	4052	4309	3522	3517	4162	4882
1947 Federal Surplus/Deficit	4880	4501	1279	1873	1609	3571	3564	3485	3916	3356	3659	3692	4132	4739
1948 Federal Surplus/Deficit	4870	3912	864	4645	2884	3390	3564	2028	3563	3589	3670	3754	4162	4922
1949 Federal Surplus/Deficit	4895	5338	2887	2469	1472	2445	3220	1728	4067	3644	3815	3754	4095	3365
1950 Federal Surplus/Deficit	4035	1761	864	1926	1330	767	3319	3491	3852	3979	3113	2945	4007	4762
1951 Federal Surplus/Deficit	4792	5099	1702	3562	3324	3633	3564	3515	3936	4122	3244	3164	3882	4886
1952 Federal Surplus/Deficit	4912	5154	2394	4217	1890	3483	3564	3396	3889	4126	3518	3754	4151	4299
1953 Federal Surplus/Deficit	4833	3735	864	1846	1787	1318	2620	3546	1040	52	2360	3754	4162	4933
1954 Federal Surplus/Deficit	4878	4551	1372	2429	1764	3132	3443	3522	3552	4012	3118	3132	4162	4764
1955 Federal Surplus/Deficit	4927	5252	5018	3363	2471	3216	2159	-1379	-706	2050	492	2997	4162	4943
1956 Federal Surplus/Deficit	4923	5322	1058	3186	2779	3633	3564	3411	3766	3879	3062	3390	4162	4936
1957 Federal Surplus/Deficit	4881	4926	1208	2650	1416	3231	3395	75	3094	4823	3731	3754	4162	4424
1958 Federal Surplus/Deficit	4540	3119	864	2147	1641	1573	3256	3412	3756	2443	3940	3754	4162	4109
1959 Federal Surplus/Deficit	4561	3530	864	1925	2343	3478	3564	3459	3762	3967	3209	3095	4162	4805
1960 Federal Surplus/Deficit	4881	4806	4867	5007	3664	3596	3564	2130	3601	4823	4011	3643	4162	4751
1961 Federal Surplus/Deficit	4874	3346	864	2241	1970	2403	3405	3575	4130	4488	3717	3754	4162	4516
1962 Federal Surplus/Deficit	4696	3985	864	2069	1609	1035	3381	-7.5	-227	4777	3889	3684	3987	4842
1963 Federal Surplus/Deficit	4830	4408	864	2971	2520	3474	3437	2917	2559	2208	1948	3754	4145	4726
1964 Federal Surplus/Deficit	4872	4593	1575	1677	1702	1799	3350	1789	-349	3580	2919	3426	4162	4920
1965 Federal Surplus/Deficit	4896	5068	2877	3524	1909	3633	3564	3425	3723	3841	3203	3248	4162	4489
1966 Federal Surplus/Deficit	4802	4928	1452	2865	1980	3187	3519	1250	494	4665	2780	3662	3751	4874
1967 Federal Surplus/Deficit	4868	4246	864	1842	1607	2360	3564	3469	2711	3950	2234	2878	4162	4912
1968 Federal Surplus/Deficit	4892	4865	1727	2551	1811	3082	3505	3514	3729	52	2082	3160	4162	4902
1969 Federal Surplus/Deficit	4872	4955	3515	3668	2924	3451	3564	3585	4032	4132	3454	3711	4162	4825
1970 Federal Surplus/Deficit	4869	3808	864	2115	1809	2082	3457	3496	1091	282	2956	3642	4162	3501
1971 Federal Surplus/Deficit	4423	3347	864	2099	1952	1863	3564	3531	3896	4057	3201	3228	4162	4948
1972 Federal Surplus/Deficit	4932	5378	2118	2274	1828	3176	3564	3498	3864	3955	3098	2958	4162	4913
1973 Federal Surplus/Deficit	4921	5261	3007	2587	1613	3298	3564	-1379	-529	52	-751	1324	3220	3843
1974 Federal Surplus/Deficit	4332	2107	864	1212	1063	3506	3564	3453	3681	3659	2807	2631	4148	4909
1975 Federal Surplus/Deficit	4932	5368	2916	1582	1647	2247	3489	3332	3888	3671	3150	3039	4162	4914
1976 Federal Surplus/Deficit	4506	3935	1566	3228	3171	3633	3564	3533	3967	4123	3213	3234	4029	4913
1977 Federal Surplus/Deficit	4924	5427	5358	2849	1657	1614	2862	-1379	-706	52	-751	1090	1599	2332
1978 Federal Surplus/Deficit	4363	1685	864	723	1280	1929	3395	2209	3916	3683	3492	3449	3905	4875
<b>-Ranked Averages-</b>														
Top Ten Percent	4873	5048	2944	4039	3026	3559	3564	3210	3880	4283	3566	3578	3721	4649
Middle Eighty Percent	4667	3887	1427	2245	1748	2418	3085	1867	2288	2882	2674	3154	3936	4489
Bottom Ten Percent	4446	3149	864	1869	1742	1311	-656	-1125	-530	468	-751	612	2829	3433

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2009 - 2010 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	4755	3260	781	1514	1517	1299	2336	-1487	-415	-29	-831	125	3737	3870
1930 Federal Surplus/Deficit	3969	2919	781	1901	1779	1261	-1641	-179	-263	418	-831	-34	3651	4066
1931 Federal Surplus/Deficit	4396	3322	781	1778	1725	1359	-1641	-1487	-810	1671	-831	1217	3145	3157
1932 Federal Surplus/Deficit	4286	2561	781	1579	1540	1154	-1641	-1487	2579	4534	3766	4383	4820	4654
1933 Federal Surplus/Deficit	4796	4711	781	1934	1100	2650	3423	3321	-357	2314	2664	3975	4820	4889
1934 Federal Surplus/Deficit	4825	5154	2191	3672	3247	3529	3452	3316	3838	4134	3521	4244	2922	4448
1935 Federal Surplus/Deficit	3695	1477	781	1333	1022	2051	3351	3346	-810	1959	3244	4011	4678	4647
1936 Federal Surplus/Deficit	4732	3347	781	1800	1581	1283	-423	-1487	238	99	3020	4383	4548	3961
1937 Federal Surplus/Deficit	4715	2972	781	1894	1661	1238	-1641	-1487	-409	-24	-831	1110	3096	3453
1938 Federal Surplus/Deficit	4434	2294	781	2224	1448	1424	3452	1619	3789	4097	3474	4105	4778	4417
1939 Federal Surplus/Deficit	4228	2680	867	2058	1569	1212	2765	-1487	1162	2034	2417	4383	3655	4049
1940 Federal Surplus/Deficit	4729	3161	781	2282	1488	1644	1966	215	3918	3288	3119	3961	4230	3459
1941 Federal Surplus/Deficit	4139	2436	781	1848	1277	2294	2663	-1487	-141	-29	-831	2208	3925	2616
1942 Federal Surplus/Deficit	3913	2696	781	1716	1049	3357	3452	-957	-810	950	1722	3808	4820	4861
1943 Federal Surplus/Deficit	4786	4673	781	1849	1279	2011	3371	3351	3904	4159	3522	4138	4820	4838
1944 Federal Surplus/Deficit	4796	4614	781	2069	1619	1162	2739	-1487	-810	-29	-831	77	2795	2345
1945 Federal Surplus/Deficit	4005	1628	781	1405	1569	1175	-1641	-1487	-791	-29	-831	3959	4818	4002
1946 Federal Surplus/Deficit	4170	3797	781	2087	1587	1325	3048	3049	3948	4228	3442	4145	4820	4840
1947 Federal Surplus/Deficit	4797	4434	1230	1817	1538	3469	3452	3378	3812	3293	3579	4321	4794	4699
1948 Federal Surplus/Deficit	4788	3848	781	4571	2805	3292	3452	1947	3478	3524	3590	4383	4820	4873
1949 Federal Surplus/Deficit	4812	5256	2827	2410	1403	2359	3117	1646	3964	3578	3735	4383	4758	3337
1950 Federal Surplus/Deficit	3970	1711	781	1867	1262	701	3214	3384	3748	3899	3032	3573	4666	4714
1951 Federal Surplus/Deficit	4721	5027	1648	3495	3241	3529	3452	3408	3833	4041	3163	3793	4548	4838
1952 Federal Surplus/Deficit	4830	5081	2337	4146	1819	3382	3452	3297	3796	4045	3437	4383	4812	4264
1953 Federal Surplus/Deficit	4750	3672	781	1788	1716	1246	2523	3439	980	-29	2298	4383	4820	4885
1954 Federal Surplus/Deficit	4796	4484	1322	2370	1693	3037	3334	3415	3467	3931	3037	3761	4820	4716
1955 Federal Surplus/Deficit	4845	5178	4946	3298	2395	3121	2071	-1487	-810	1997	453	3637	4820	4895
1956 Federal Surplus/Deficit	4841	5247	1010	3122	2699	3529	3452	3304	3662	3799	2981	4019	4820	4888
1957 Federal Surplus/Deficit	4799	4856	1158	2590	1347	3135	3287	2.3	3015	4742	3659	4383	4820	4387
1958 Federal Surplus/Deficit	4471	3059	781	2088	1570	1495	3152	3312	3668	2386	3864	4383	4820	4074
1959 Federal Surplus/Deficit	4493	3469	781	1870	2268	3377	3452	3352	3672	3886	3128	3724	4820	4757
1960 Federal Surplus/Deficit	4799	4737	4796	4928	3579	3495	3452	2050	3513	4742	3933	4278	4820	4711
1961 Federal Surplus/Deficit	4792	3285	781	2183	1897	2317	3297	3468	4033	4416	3643	4383	4820	4478
1962 Federal Surplus/Deficit	4626	3921	781	2011	1537	962	3274	-72	-299	4696	3808	4318	4652	4801
1963 Federal Surplus/Deficit	4747	4342	781	2908	2443	3373	3329	2829	2477	2154	1890	4383	4807	4686
1964 Federal Surplus/Deficit	4789	4524	1523	1622	1630	1720	3243	1713	-419	3513	2853	4055	4820	4871
1965 Federal Surplus/Deficit	4814	4996	2818	3458	1838	3529	3452	3318	3619	3760	3123	3876	4820	4452
1966 Federal Surplus/Deficit	4720	4857	1403	2802	1908	3092	3411	1182	424	4591	2716	4296	4418	4832
1967 Federal Surplus/Deficit	4785	4178	781	1785	1536	2276	3452	3362	2637	3869	2172	3507	4820	4864
1968 Federal Surplus/Deficit	4810	4795	1674	2491	1740	2988	3397	3412	3641	-29	2022	3798	4820	4854
1969 Federal Surplus/Deficit	4790	4885	3453	3601	2845	3350	3452	3478	3936	4051	3373	4340	4820	4784
1970 Federal Surplus/Deficit	4787	3745	781	2058	1737	2000	3347	3394	1027	247	2892	4276	4820	3473
1971 Federal Surplus/Deficit	4356	3285	781	2039	1877	1784	3452	3424	3793	3977	3120	3856	4820	4900
1972 Federal Surplus/Deficit	4850	5302	2062	2214	1755	3080	3452	3391	3760	3874	3017	3586	4820	4865
1973 Federal Surplus/Deficit	4839	5187	2944	2526	1542	3201	3452	-1487	-600	-29	-831	1973	3891	3811
1974 Federal Surplus/Deficit	4266	2055	781	1155	995	3404	3452	3346	3577	3579	2727	3260	4807	4860
1975 Federal Surplus/Deficit	4850	5293	2855	1527	1574	2164	3380	3235	3785	3606	3083	3668	4820	4865
1976 Federal Surplus/Deficit	4439	3873	1515	3163	3089	3529	3452	3426	3864	4042	3133	3863	4693	4865
1977 Federal Surplus/Deficit	4841	5344	5282	2786	1585	1538	2765	-1487	-810	-29	-831	1741	2279	2310
1978 Federal Surplus/Deficit	4296	1638	781	672	1211	1846	3287	2125	3813	3618	3423	4078	4571	4826
<b>-Ranked Averages-</b>														
Top Ten Percent	4793	4977	2885	3968	2946	3457	3452	3110	3783	4203	3486	4207	4385	4609
Middle Eighty Percent	4591	3823	1354	2185	1676	2332	2979	1770	2200	2812	2601	3787	4598	4449
Bottom Ten Percent	4376	3091	781	1810	1670	1239	-765	-1225	-616	401	-831	1266	3501	3404

<b>Federal Surplus/Deficit by Water Year</b> <b>PNW Loads and Resources Study</b> <b>2010 - 2011 Operating Year</b> <b>[22] 2003 White Book</b>														3/31/2004
<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
1929 Federal Surplus/Deficit	4771	3295	794	1542	1549	1312	2346	-1490	-386	-42	-845	-554	3023	3849
1930 Federal Surplus/Deficit	4000	2956	794	1922	1811	1276	-1650	-151	-232	437	-845	-714	2937	4044
1931 Federal Surplus/Deficit	4425	3357	794	1800	1757	1374	-1650	-1490	-810	1683	-845	532	2435	3142
1932 Federal Surplus/Deficit	4316	2600	794	1603	1574	1164	-1650	-1490	2602	4526	3752	3676	4095	4627
1933 Federal Surplus/Deficit	4811	4738	794	1959	1137	2651	3418	3317	-320	2325	2664	3268	4095	4854
1934 Federal Surplus/Deficit	4841	5177	2232	3688	3269	3516	3444	3313	3838	4121	3508	3537	2210	4423
1935 Federal Surplus/Deficit	3729	1527	794	1359	1059	2057	3345	3342	-810	1970	3241	3311	3958	4620
1936 Federal Surplus/Deficit	4747	3383	794	1824	1615	1298	-395	-1490	270	123	3019	3676	3830	3940
1937 Federal Surplus/Deficit	4741	3010	794	1917	1694	1253	-1650	-1490	-378	-0.8	-845	420	2384	3436
1938 Federal Surplus/Deficit	4462	2339	794	2244	1484	1438	3444	1645	3799	4084	3460	3398	4055	4393
1939 Federal Surplus/Deficit	4258	2719	913	2082	1601	1225	2771	-1490	1193	2044	2417	3676	2940	4028
1940 Federal Surplus/Deficit	4744	3197	794	2304	1523	1655	1978	240	3926	3289	3119	3262	3512	3442
1941 Federal Surplus/Deficit	4170	2477	794	1874	1314	2300	2666	-1490	-111	-42	-845	1520	3210	2604
1942 Federal Surplus/Deficit	3945	2735	794	1740	1087	3346	3444	-926	-810	969	1728	3110	4095	4827
1943 Federal Surplus/Deficit	4802	4700	794	1874	1314	2018	3365	3353	3904	4146	3509	3431	4095	4804
1944 Federal Surplus/Deficit	4811	4642	794	2093	1650	1176	2743	-1490	-810	-42	-845	-597	2085	2333
1945 Federal Surplus/Deficit	4036	1675	794	1430	1601	1189	-1650	-1490	-764	-42	-845	3260	4094	3982
1946 Federal Surplus/Deficit	4199	3830	794	2107	1620	1340	3047	3056	3948	4214	3428	3438	4095	4811
1947 Federal Surplus/Deficit	4813	4463	1274	1843	1571	3457	3444	3375	3812	3295	3565	3614	4072	4672
1948 Federal Surplus/Deficit	4803	3880	794	4580	2830	3283	3444	1965	3494	3524	3576	3676	4095	4839
1949 Federal Surplus/Deficit	4828	5271	2860	2433	1437	2362	3116	1665	3964	3578	3721	3676	4036	3320
1950 Federal Surplus/Deficit	4002	1756	794	1889	1297	721	3211	3381	3748	3885	3018	2866	3940	4679
1951 Federal Surplus/Deficit	4748	5051	1688	3511	3264	3516	3444	3404	3833	4028	3150	3086	3830	4804
1952 Federal Surplus/Deficit	4846	5105	2375	4158	1851	3371	3444	3301	3805	4031	3424	3676	4089	4241
1953 Federal Surplus/Deficit	4766	3705	794	1812	1747	1261	2528	3436	1018	-42	2300	3676	4095	4851
1954 Federal Surplus/Deficit	4812	4512	1365	2393	1726	3032	3328	3411	3482	3918	3023	3054	4095	4681
1955 Federal Surplus/Deficit	4861	5201	4969	3316	2424	3116	2083	-1490	-810	2008	476	2940	4095	4860
1956 Federal Surplus/Deficit	4856	5270	1054	3141	2725	3516	3444	3300	3662	3785	2968	3312	4095	4853
1957 Federal Surplus/Deficit	4815	4882	1202	2611	1381	3129	3282	29	3037	4728	3653	3676	4095	4363
1958 Federal Surplus/Deficit	4499	3094	794	2111	1603	1505	3151	3314	3681	2394	3854	3676	4095	4052
1959 Federal Surplus/Deficit	4520	3504	794	1896	2296	3366	3444	3348	3683	3873	3115	3017	4095	4722
1960 Federal Surplus/Deficit	4814	4764	4820	4934	3599	3484	3444	2071	3527	4728	3922	3576	4095	4684
1961 Federal Surplus/Deficit	4808	3319	794	2207	1928	2320	3292	3464	4038	4409	3636	3676	4095	4453
1962 Federal Surplus/Deficit	4654	3953	794	2036	1569	975	3269	-37	-271	4683	3795	3615	3932	4772
1963 Federal Surplus/Deficit	4763	4371	794	2928	2471	3362	3323	2843	2497	2164	1896	3676	4084	4660
1964 Federal Surplus/Deficit	4805	4552	1565	1649	1661	1729	3239	1737	-389	3512	2852	3348	4095	4837
1965 Federal Surplus/Deficit	4829	5020	2852	3475	1870	3516	3444	3314	3619	3746	3109	3169	4095	4427
1966 Federal Surplus/Deficit	4736	4883	1446	2822	1940	3086	3406	1213	454	4582	2717	3594	3701	4803
1967 Federal Surplus/Deficit	4801	4207	794	1810	1568	2280	3444	3358	2662	3856	2176	2800	4095	4829
1968 Federal Surplus/Deficit	4825	4822	1714	2513	1773	2984	3391	3413	3654	-42	2027	3099	4095	4819
1969 Federal Surplus/Deficit	4806	4911	3485	3617	2870	3340	3444	3474	3938	4037	3360	3633	4095	4756
1970 Federal Surplus/Deficit	4803	3777	794	2084	1768	2006	3341	3395	1062	274	2892	3574	4095	3456
1971 Federal Surplus/Deficit	4386	3319	794	2061	1906	1793	3444	3420	3793	3963	3107	3149	4095	4865
1972 Federal Surplus/Deficit	4866	5323	2100	2237	1787	3074	3444	3387	3760	3860	3003	2879	4095	4830
1973 Federal Surplus/Deficit	4855	5210	2977	2547	1574	3194	3444	-1490	-571	-42	-845	1283	3177	3791
1974 Federal Surplus/Deficit	4296	2097	794	1181	1031	3392	3444	3342	3577	3565	2713	2553	4081	4826
1975 Federal Surplus/Deficit	4866	5314	2888	1554	1605	2169	3374	3240	3785	3606	3081	2961	4095	4831
1976 Federal Surplus/Deficit	4468	3906	1557	3181	3112	3516	3444	3423	3864	4029	3119	3156	3972	4830
1977 Federal Surplus/Deficit	4857	5360	5302	2806	1616	1550	2769	-1490	-810	-42	-845	1053	1572	2297
1978 Federal Surplus/Deficit	4325	1686	794	702	1246	1853	3282	2141	3813	3619	3419	3371	3852	4792
<b>-Ranked Averages-</b>														
Top Ten Percent	4811	5002	2920	3982	2971	3446	3444	3113	3788	4189	3473	3501	3664	4582
Middle Eighty Percent	4612	3855	1377	2208	1709	2334	2976	1775	2213	2807	2594	3084	3876	4420
Bottom Ten Percent	4403	3128	794	1832	1703	1254	-771	-1222	-599	407	-845	580	2787	3387

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2011 - 2012 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	4734	3271	1319	2011	1960	1719	2865	-1029	148	491	-311	691	4250	4406
1930 Federal Surplus/Deficit	3974	2934	1319	2386	2222	1683	-1144	335	302	996	-311	529	4164	4600
1931 Federal Surplus/Deficit	4398	3334	1319	2264	2169	1781	-1144	-1029	-298	2238	-311	1771	3663	3704
1932 Federal Surplus/Deficit	4289	2580	1319	2069	1985	1569	-1144	-1029	3132	5064	4286	4900	5313	5179
1933 Federal Surplus/Deficit	4774	4709	1319	2425	1553	3048	3926	3778	218	2875	3207	4492	5313	5400
1934 Federal Surplus/Deficit	4804	5145	2777	4148	3674	3903	3950	3774	4350	4654	4041	4761	3438	4977
1935 Federal Surplus/Deficit	3706	1515	1319	1826	1474	2458	3852	3803	-298	2523	3781	4540	5180	5173
1936 Federal Surplus/Deficit	4710	3362	1319	2291	2027	1705	137	-1029	806	686	3561	4900	5054	4497
1937 Federal Surplus/Deficit	4705	2988	1319	2382	2106	1661	-1144	-1029	157	561	-311	1657	3612	3995
1938 Federal Surplus/Deficit	4435	2323	1319	2708	1897	1845	3950	2128	4314	4617	3994	4622	5276	4947
1939 Federal Surplus/Deficit	4231	2700	1463	2548	2013	1632	3288	-1029	1728	2597	2961	4900	4166	4584
1940 Federal Surplus/Deficit	4707	3175	1319	2768	1937	2060	2499	724	4443	3834	3661	4492	4736	4001
1941 Federal Surplus/Deficit	4144	2459	1319	2341	1729	2701	3181	-1029	424	491	-311	2757	4437	3168
1942 Federal Surplus/Deficit	3920	2716	1319	2208	1503	3735	3950	-438	-298	1529	2276	4341	5313	5374
1943 Federal Surplus/Deficit	4764	4671	1319	2341	1727	2420	3873	3818	4416	4679	4042	4656	5313	5350
1944 Federal Surplus/Deficit	4774	4613	1319	2559	2061	1584	3258	-1029	-298	491	-311	650	3315	2898
1945 Federal Surplus/Deficit	4010	1660	1319	1897	2012	1595	-1144	-1029	-232	491	-311	4491	5313	4538
1946 Federal Surplus/Deficit	4172	3805	1319	2571	2032	1748	3559	3526	4460	4748	3961	4663	5313	5361
1947 Federal Surplus/Deficit	4776	4435	1822	2311	1984	3845	3950	3836	4323	3840	4099	4838	5293	5224
1948 Federal Surplus/Deficit	4766	3854	1319	5035	3237	3674	3950	2444	4018	4067	4109	4900	5313	5385
1949 Federal Surplus/Deficit	4791	5234	3401	2899	1849	2761	3628	2143	4475	4122	4255	4900	5258	3881
1950 Federal Surplus/Deficit	3976	1742	1319	2355	1711	1132	3721	3842	4259	4418	3552	4091	5159	5226
1951 Federal Surplus/Deficit	4718	5020	2234	3972	3668	3903	3950	3865	4344	4561	3683	4310	5054	5350
1952 Federal Surplus/Deficit	4809	5073	2917	4616	2263	3760	3950	3768	4323	4565	3957	4900	5310	4796
1953 Federal Surplus/Deficit	4729	3680	1319	2278	2158	1668	3044	3897	1559	491	2846	4900	5313	5397
1954 Federal Surplus/Deficit	4775	4485	1912	2859	2138	3425	3836	3872	4005	4451	3557	4278	5313	5228
1955 Federal Surplus/Deficit	4824	5169	5501	3777	2833	3508	2604	-1029	-298	2561	1035	4171	5313	5407
1956 Federal Surplus/Deficit	4819	5237	1602	3603	3131	3903	3950	3762	4173	4318	3501	4536	5313	5400
1957 Federal Surplus/Deficit	4778	4852	1750	3076	1794	3521	3790	514	3565	5262	4191	4900	5313	4917
1958 Federal Surplus/Deficit	4471	3072	1319	2577	2015	1909	3661	3780	4202	2945	4390	4900	5313	4608
1959 Federal Surplus/Deficit	4492	3480	1319	2364	2705	3755	3950	3809	4202	4406	3648	4241	5313	5269
1960 Federal Surplus/Deficit	4777	4735	5352	5386	4002	3873	3950	2551	4049	5262	4457	4803	5313	5235
1961 Federal Surplus/Deficit	4771	3296	1319	2673	2339	2719	3800	3926	4553	4948	4174	4900	5313	5007
1962 Federal Surplus/Deficit	4624	3927	1319	2502	1980	1381	3778	453	263	5216	4328	4842	5155	5323
1963 Federal Surplus/Deficit	4726	4344	1319	3391	2879	3751	3831	3317	3023	2716	2443	4900	5304	5211
1964 Federal Surplus/Deficit	4768	4524	2111	2118	2072	2131	3748	2217	146	4056	3395	4572	5313	5383
1965 Federal Surplus/Deficit	4792	4989	3392	3936	2282	3903	3950	3775	4131	4280	3642	4394	5313	4981
1966 Federal Surplus/Deficit	4698	4853	1994	3285	2351	3478	3914	1700	989	5119	3260	4821	4925	5354
1967 Federal Surplus/Deficit	4764	4180	1319	2277	1980	2680	3950	3819	3193	4389	2720	4025	5313	5376
1968 Federal Surplus/Deficit	4788	4792	2259	2978	2185	3378	3899	3878	4176	491	2572	4330	5313	5366
1969 Federal Surplus/Deficit	4769	4880	4024	4078	3276	3729	3950	3935	4449	4571	3893	4857	5313	5307
1970 Federal Surplus/Deficit	4766	3751	1319	2551	2178	2407	3848	3860	1600	839	3435	4802	5313	4016
1971 Federal Surplus/Deficit	4358	3295	1319	2526	2316	2198	3950	3881	4304	4497	3640	4374	5313	5412
1972 Federal Surplus/Deficit	4829	5286	2643	2703	2198	3467	3950	3848	4271	4394	3537	4104	5313	5377
1973 Federal Surplus/Deficit	4818	5178	3516	3011	1986	3585	3950	-1029	-37	491	-311	2519	4403	4348
1974 Federal Surplus/Deficit	4269	2079	1319	1648	1446	3781	3950	3803	4089	4098	3247	3777	5300	5372
1975 Federal Surplus/Deficit	4829	5281	3428	2023	2016	2570	3882	3707	4296	4149	3623	4185	5313	5377
1976 Federal Surplus/Deficit	4440	3881	2104	3643	3518	3903	3950	3884	4375	4562	3653	4380	5195	5376
1977 Federal Surplus/Deficit	4820	5323	5831	3270	2027	1955	3283	-1029	-298	491	-311	2290	2802	2861
1978 Federal Surplus/Deficit	4298	1671	1319	1172	1659	2256	3790	2619	4324	4162	3959	4595	5076	5338
<b>-Ranked Averages-</b>														
Top Ten Percent	4775	4971	3461	4440	3377	3834	3950	3579	4303	4722	4006	4726	4886	5133
Middle Eighty Percent	4578	3829	1910	2674	2120	2732	3486	2242	2734	3348	3132	4310	5096	4971
Bottom Ten Percent	4372	3106	1319	2298	2114	1661	-263	-756	-74	955	-311	1820	4014	3947

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2012 - 2013 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	5292	3845	1283	1999	1932	1692	2809	-1098	112	431	-372	-45	3503	4365
1930 Federal Surplus/Deficit	4545	3511	1283	2367	2195	1657	-1215	296	267	967	-372	-208	3416	4558
1931 Federal Surplus/Deficit	4967	3909	1283	2246	2141	1754	-1215	-1098	-363	2203	-372	1028	2918	3668
1932 Federal Surplus/Deficit	4859	3158	1283	2053	1959	1539	-1215	-1098	3089	5009	4225	4137	4555	5132
1933 Federal Surplus/Deficit	5332	5277	1283	2410	1531	3009	3858	3709	188	2837	3158	3729	4555	5346
1934 Federal Surplus/Deficit	5362	5710	2766	4124	3638	3851	3878	3704	4285	4594	3981	3998	2692	4932
1935 Federal Surplus/Deficit	4280	2102	1283	1812	1451	2424	3783	3734	-363	2487	3730	3784	4426	5126
1936 Federal Surplus/Deficit	5268	3938	1283	2275	2001	1679	99	-1098	771	662	3513	4137	4302	4455
1937 Federal Surplus/Deficit	5263	3565	1283	2365	2079	1635	-1215	-1098	122	535	-372	911	2867	3957
1938 Federal Surplus/Deficit	5004	2906	1283	2688	1872	1819	3878	2086	4250	4557	3933	3859	4521	4902
1939 Federal Surplus/Deficit	4802	3279	1457	2532	1986	1606	3230	-1098	1693	2560	2914	4137	3417	4541
1940 Federal Surplus/Deficit	5265	3751	1283	2750	1912	2030	2446	682	4386	3788	3612	3736	3985	3963
1941 Federal Surplus/Deficit	4715	3040	1283	2327	1706	2667	3120	-1098	389	431	-372	2011	3688	3135
1942 Federal Surplus/Deficit	4492	3295	1283	2193	1482	3686	3878	-475	-363	1501	2235	3587	4555	5319
1943 Federal Surplus/Deficit	5322	5240	1283	2326	1701	2388	3803	3753	4351	4619	3982	3893	4555	5296
1944 Federal Surplus/Deficit	5332	5182	1283	2542	2032	1558	3197	-1098	-363	431	-372	-84	2571	2866
1945 Federal Surplus/Deficit	4581	2245	1283	1882	1985	1568	-1215	-1074	-271	431	-372	3736	4555	4496
1946 Federal Surplus/Deficit	4743	4379	1283	2552	2005	1722	3494	3466	4395	4687	3901	3900	4555	5311
1947 Federal Surplus/Deficit	5334	5005	1815	2297	1957	3796	3878	3767	4259	3795	4038	4075	4537	5176
1948 Federal Surplus/Deficit	5324	4427	1306	5005	3204	3626	3878	2397	3968	4020	4049	4137	4555	5331
1949 Federal Surplus/Deficit	5349	5792	3384	2882	1824	2724	3562	2095	4411	4074	4194	4137	4503	3843
1950 Federal Surplus/Deficit	4548	2326	1283	2338	1686	1112	3653	3773	4195	4358	3491	3328	4401	5172
1951 Federal Surplus/Deficit	5285	5586	2223	3949	3632	3851	3878	3796	4279	4501	3623	3547	4302	5296
1952 Federal Surplus/Deficit	5367	5638	2903	4589	2235	3711	3878	3705	4267	4504	3897	4137	4553	4752
1953 Federal Surplus/Deficit	5287	4253	1283	2262	2130	1642	2985	3827	1530	431	2800	4137	4555	5343
1954 Federal Surplus/Deficit	5333	5054	1903	2842	2111	3382	3766	3803	3955	4391	3496	3515	4555	5174
1955 Federal Surplus/Deficit	5381	5733	5473	3755	2802	3464	2551	-1098	-363	2525	1007	3418	4555	5353
1956 Federal Surplus/Deficit	5377	5800	1594	3582	3098	3851	3878	3692	4109	4258	3441	3773	4555	5346
1957 Federal Surplus/Deficit	5336	5419	1743	3058	1769	3476	3721	475	3521	5201	4137	4137	4555	4872
1958 Federal Surplus/Deficit	5040	3648	1283	2560	1987	1880	3595	3716	4150	2905	4333	4137	4555	4566
1959 Federal Surplus/Deficit	5061	4055	1283	2351	2675	3705	3878	3740	4137	4346	3588	3478	4555	5214
1960 Federal Surplus/Deficit	5335	5303	5326	5354	3964	3825	3878	2504	3998	5201	4398	4044	4555	5188
1961 Federal Surplus/Deficit	5329	3871	1283	2657	2311	2682	3731	3856	4493	4894	4120	4137	4555	4961
1962 Federal Surplus/Deficit	5192	4499	1283	2486	1952	1354	3709	419	226	5156	4268	4082	4402	5274
1963 Federal Surplus/Deficit	5284	4914	1283	3372	2848	3702	3762	3264	2977	2678	2400	4137	4548	5164
1964 Federal Surplus/Deficit	5326	5094	2101	2104	2044	2100	3680	2173	110	4009	3346	3809	4555	5329
1965 Federal Surplus/Deficit	5350	5555	3375	3914	2254	3851	3878	3706	4066	4219	3582	3631	4555	4935
1966 Federal Surplus/Deficit	5256	5420	1986	3266	2324	3433	3845	1662	953	5064	3213	4062	4175	5304
1967 Federal Surplus/Deficit	5322	4749	1283	2262	1953	2645	3878	3750	3151	4329	2675	3261	4555	5321
1968 Federal Surplus/Deficit	5346	5360	2248	2960	2158	3335	3830	3812	4123	431	2528	3574	4555	5312
1969 Federal Surplus/Deficit	5327	5447	4005	4054	3243	3681	3878	3866	4384	4510	3833	4094	4555	5258
1970 Federal Surplus/Deficit	5324	4324	1283	2536	2150	2374	3778	3795	1568	817	3387	4043	4555	3977
1971 Federal Surplus/Deficit	4928	3870	1283	2509	2286	2168	3878	3812	4239	4436	3580	3611	4555	5357
1972 Federal Surplus/Deficit	5387	5844	2630	2686	2170	3422	3878	3779	4207	4333	3476	3341	4555	5322
1973 Federal Surplus/Deficit	5376	5742	3497	2993	1959	3539	3878	-1098	-73	431	-372	1772	3654	4307
1974 Federal Surplus/Deficit	4840	2660	1283	1634	1423	3731	3878	3734	4024	4038	3186	3014	4542	5318
1975 Federal Surplus/Deficit	5387	5844	3410	2010	1988	2535	3812	3646	4231	4101	3574	3422	4555	5323
1976 Federal Surplus/Deficit	5009	4455	2095	3622	3482	3851	3878	3814	4311	4502	3592	3617	4441	5322
1977 Federal Surplus/Deficit	5378	5881	5801	3250	1999	1927	3223	-1098	-363	431	-372	1543	2059	2827
1978 Federal Surplus/Deficit	4868	2256	1283	1162	1634	2224	3721	2570	4260	4115	3908	3832	4324	5284
<b>-Ranked Averages-</b>														
Top Ten Percent	5335	5537	3445	4414	3343	3784	3878	3515	4242	4662	3946	3964	4132	5085
Middle Eighty Percent	5141	4402	1883	2657	2093	2695	3419	2181	2682	3296	3078	3551	4341	4923
Bottom Ten Percent	4938	3683	1283	2280	2087	1634	-333	-814	-122	913	-372	1076	3266	3909

Federal Surplus/Deficit by Water Year PNW Loads and Resources Study 2013 - 2014 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	5239	3806	1229	1963	1883	1640	2749	-1168	69	372	-431	624	4200	4357
1930 Federal Surplus/Deficit	4503	3474	1229	2327	2145	1606	-1288	250	225	933	-431	460	4113	4549
1931 Federal Surplus/Deficit	4924	3871	1229	2206	2091	1702	-1288	-1168	-408	2165	-431	1692	3617	3664
1932 Federal Surplus/Deficit	4817	3122	1229	2014	1910	1485	-1288	-1168	3042	4954	4166	4787	5244	5119
1933 Federal Surplus/Deficit	5280	5232	1229	2372	1485	2947	3788	3639	151	2794	3109	4379	5244	5328
1934 Federal Surplus/Deficit	5309	5663	2732	4079	3583	3779	3806	3634	4220	4535	3922	4648	3389	4920
1935 Federal Surplus/Deficit	4241	2075	1229	1775	1405	2365	3712	3664	-429	2447	3678	4438	5119	5113
1936 Federal Surplus/Deficit	5216	3902	1229	2237	1953	1627	54	-1168	730	632	3463	4787	4996	4447
1937 Federal Surplus/Deficit	5210	3529	1229	2325	2031	1583	-1288	-1168	80	504	-431	1573	3565	3952
1938 Federal Surplus/Deficit	4961	2875	1229	2647	1825	1768	3806	2038	4184	4498	3874	4509	5213	4891
1939 Federal Surplus/Deficit	4760	3245	1428	2494	1936	1554	3168	-1168	1651	2520	2866	4787	4113	4533
1940 Federal Surplus/Deficit	5213	3713	1229	2710	1865	1975	2389	634	4326	3741	3561	4391	4679	3958
1941 Federal Surplus/Deficit	4674	3007	1229	2290	1661	2609	3056	-1168	347	372	-431	2673	4385	3134
1942 Federal Surplus/Deficit	4452	3260	1229	2156	1437	3616	3806	-519	-429	1468	2191	4243	5244	5301
1943 Federal Surplus/Deficit	5270	5196	1229	2288	1654	2331	3733	3687	4285	4559	3923	4542	5244	5278
1944 Federal Surplus/Deficit	5280	5138	1229	2504	1982	1506	3134	-1168	-429	372	-431	588	3271	2866
1945 Federal Surplus/Deficit	4540	2216	1229	1844	1936	1515	-1288	-1123	-316	372	-431	4392	5244	4488
1946 Federal Surplus/Deficit	4701	4339	1229	2511	1956	1671	3428	3404	4330	4628	3842	4549	5244	5297
1947 Federal Surplus/Deficit	5282	4962	1784	2261	1909	3725	3806	3697	4193	3747	3979	4725	5228	5163
1948 Federal Surplus/Deficit	5272	4387	1276	4955	3150	3558	3806	2344	3915	3971	3990	4787	5244	5313
1949 Federal Surplus/Deficit	5297	5740	3345	2843	1776	2664	3495	2043	4345	4025	4135	4787	5195	3838
1950 Federal Surplus/Deficit	4507	2296	1229	2299	1639	1064	3585	3703	4129	4299	3432	3977	5090	5153
1951 Federal Surplus/Deficit	5240	5539	2189	3905	3576	3779	3806	3726	4214	4442	3564	4197	4997	5277
1952 Federal Surplus/Deficit	5314	5592	2867	4542	2186	3641	3806	3640	4208	4445	3838	4787	5244	4742
1953 Federal Surplus/Deficit	5235	4214	1229	2224	2080	1590	2923	3757	1493	372	2753	4787	5244	5324
1954 Federal Surplus/Deficit	5281	5011	1870	2803	2062	3316	3696	3733	3901	4332	3437	4165	5244	5155
1955 Federal Surplus/Deficit	5329	5686	5426	3712	2750	3397	2493	-1168	-429	2484	973	4075	5244	5334
1956 Federal Surplus/Deficit	5325	5752	1564	3540	3044	3779	3806	3622	4043	4199	3381	4423	5244	5327
1957 Federal Surplus/Deficit	5283	5374	1712	3019	1721	3410	3651	428	3473	5142	4083	4787	5244	4861
1958 Federal Surplus/Deficit	4997	3610	1229	2521	1938	1825	3528	3650	4094	2862	4277	4787	5244	4557
1959 Federal Surplus/Deficit	5018	4017	1229	2314	2624	3635	3806	3670	4072	4287	3529	4128	5244	5196
1960 Federal Surplus/Deficit	5283	5258	5280	5302	3907	3755	3806	2452	3943	5142	4340	4697	5244	5174
1961 Federal Surplus/Deficit	5277	3832	1229	2619	2261	2622	3661	3786	4432	4840	4065	4787	5244	4950
1962 Federal Surplus/Deficit	5148	4458	1229	2448	1903	1301	3639	378	183	5097	4209	4734	5095	5260
1963 Federal Surplus/Deficit	5232	4872	1229	3331	2796	3632	3691	3206	2927	2637	2355	4787	5239	5151
1964 Federal Surplus/Deficit	5274	5050	2068	2068	1994	2044	3611	2122	68	3960	3296	4458	5244	5311
1965 Federal Surplus/Deficit	5298	5509	3337	3871	2205	3779	3806	3636	4000	4160	3523	4280	5244	4924
1966 Federal Surplus/Deficit	5204	5375	1955	3225	2274	3367	3775	1616	911	5008	3164	4715	4869	5290
1967 Federal Surplus/Deficit	5270	4707	1229	2225	1904	2586	3806	3680	3105	4270	2627	3911	5244	5303
1968 Federal Surplus/Deficit	5294	5315	2214	2921	2109	3269	3760	3745	4068	372	2480	4230	5244	5293
1969 Federal Surplus/Deficit	5275	5402	3966	4010	3188	3611	3806	3796	4319	4451	3774	4743	5244	5240
1970 Federal Surplus/Deficit	5271	4283	1229	2499	2100	2316	3707	3729	1529	789	3338	4696	5244	3972
1971 Federal Surplus/Deficit	4885	3831	1229	2470	2235	2113	3806	3742	4174	4377	3520	4260	5244	5339
1972 Federal Surplus/Deficit	5334	5792	2594	2647	2121	3356	3806	3709	4141	4274	3417	3990	5244	5304
1973 Federal Surplus/Deficit	5324	5694	3457	2953	1910	3471	3806	-1168	-116	372	-431	2434	4351	4299
1974 Federal Surplus/Deficit	4797	2627	1229	1598	1377	3660	3806	3664	3959	3979	3127	3663	5231	5300
1975 Federal Surplus/Deficit	5335	5795	3370	1973	1938	2477	3742	3582	4166	4052	3524	4072	5244	5305
1976 Federal Surplus/Deficit	4966	4415	2063	3580	3427	3779	3806	3744	4245	4443	3533	4267	5134	5304
1977 Federal Surplus/Deficit	5326	5829	5751	3209	1949	1873	3159	-1168	-429	372	-431	2205	2760	2825
1978 Federal Surplus/Deficit	4825	2226	1229	1128	1587	2168	3651	2516	4194	4066	3855	4482	5018	5266
<b>-Ranked Averages-</b>														
Top Ten Percent	5284	5491	3407	4368	3288	3713	3806	3450	4180	4603	3887	4614	4824	5071
Middle Eighty Percent	5093	4361	1837	2618	2044	2634	3351	2117	2626	3244	3024	4203	5032	4909
Bottom Ten Percent	4892	3645	1229	2241	2037	1582	-403	-876	-170	869	-431	1741	3962	3904

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



<div> <div>Regional Surplus/Deficit by Water Year</div> <div>PNW Loads and Resources Study</div> <div>2004 - 2005 Operating Year</div> <div>[22] 2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	10042	7677	6312	7299	5899	4233	4196	553	2258	3213	2574	1598	7106	8332
1930 Regional Surplus/Deficit	8513	7108	6071	7524	6015	3867	-251	1968	2260	3199	2003	923	6611	8281
1931 Regional Surplus/Deficit	8931	7358	6001	7429	5924	3861	-243	336	1726	5183	2355	2201	5233	6819
1932 Regional Surplus/Deficit	8236	5230	5607	7004	5709	3686	-174	352	6021	9194	8453	7173	8644	9694
1933 Regional Surplus/Deficit	9922	9638	6278	7758	5297	5987	6521	6803	2180	6022	6831	6340	8554	10183
1934 Regional Surplus/Deficit	10008	10271	7793	10238	8261	7438	6797	7113	8227	8825	7826	6663	5584	8945
1935 Regional Surplus/Deficit	8134	4957	6002	6844	5205	5078	6405	6881	1954	5626	7665	6916	8300	9608
1936 Regional Surplus/Deficit	9720	7670	6206	7506	5898	3876	1177	651	3063	3075	7438	7704	8290	8706
1937 Regional Surplus/Deficit	9750	7247	6302	7516	5968	3870	-822	166	1867	3182	2282	2507	6226	7952
1938 Regional Surplus/Deficit	9295	6306	6133	8132	5826	4419	6622	4400	7853	8597	8081	6876	8636	9445
1939 Regional Surplus/Deficit	9100	6903	6298	7973	5908	4130	5573	745	4391	5639	6401	7670	6836	8769
1940 Regional Surplus/Deficit	9834	7511	6267	8189	5760	4548	4486	2828	8112	7366	7180	6478	7338	7914
1941 Regional Surplus/Deficit	8809	6424	6152	7612	5509	5489	5463	869	2624	3115	2407	3549	6434	5867
1942 Regional Surplus/Deficit	7488	5702	5274	7065	5081	7118	6500	1137	2049	4090	5267	6235	8662	9993
1943 Regional Surplus/Deficit	9889	9476	6286	7555	5622	5339	6400	7096	8155	9070	8249	6889	8655	10090
1944 Regional Surplus/Deficit	9990	9560	6382	8098	6056	4133	5041	244	2067	3109	2538	801	4700	5680
1945 Regional Surplus/Deficit	8066	4688	5202	6234	5721	3828	-177	586	1701	3162	2506	6746	8645	8809
1946 Regional Surplus/Deficit	9004	8317	6237	8039	6033	4382	6128	6674	8157	8898	7984	7024	8704	10071
1947 Regional Surplus/Deficit	10066	9344	6663	7814	6024	7394	6639	7316	8157	7456	7992	7135	8594	9699
1948 Regional Surplus/Deficit	9931	8452	6360	11584	7715	7119	6728	5151	7419	7888	8263	7483	7943	10160
1949 Regional Surplus/Deficit	10030	10452	8805	8600	5788	5742	5925	4688	8204	7813	8359	7491	8462	7872
1950 Regional Surplus/Deficit	8807	5661	6358	7796	5614	3479	6257	7226	8017	8599	7440	5798	8389	10037
1951 Regional Surplus/Deficit	9906	10291	7290	10158	8504	7675	6901	7594	8289	8804	7573	6329	8325	10092
1952 Regional Surplus/Deficit	10037	10194	8149	11022	6380	7257	6577	7154	7960	8797	8109	7276	8790	9156
1953 Regional Surplus/Deficit	9981	8350	6352	7414	6125	4102	5379	7427	4136	3178	6122	7682	8705	10223
1954 Regional Surplus/Deficit	10070	9413	6773	8471	6154	6710	6477	7298	7373	8612	7576	6283	8316	9975
1955 Regional Surplus/Deficit	10103	10383	11624	9793	7092	6751	4450	777	1858	5923	3512	5885	8369	10028
1956 Regional Surplus/Deficit	9985	10363	6379	9615	7608	7562	6771	7045	7740	8320	7246	6777	8632	10240
1957 Regional Surplus/Deficit	10108	9968	6586	8845	5753	6911	6363	2716	6862	9382	8053	7767	8678	9254
1958 Regional Surplus/Deficit	9505	7452	6315	8083	5941	4578	6235	7130	7720	6004	8688	7720	8755	8848
1959 Regional Surplus/Deficit	9494	7982	6308	7741	6942	7230	6731	7108	7705	8736	7417	6379	8605	9969
1960 Regional Surplus/Deficit	9952	9617	11452	12034	8797	7408	6577	5192	7598	9886	8570	7441	8756	9891
1961 Regional Surplus/Deficit	9960	7743	6293	8159	6421	5553	6296	7182	8229	8887	7953	7426	8223	9428
1962 Regional Surplus/Deficit	9563	8506	6230	7946	5944	3669	6194	2269	1846	9643	8672	7518	8463	9927
1963 Regional Surplus/Deficit	9934	9111	6305	9287	7189	7285	6487	6441	6086	6067	5742	7622	8720	9701
1964 Regional Surplus/Deficit	9898	9348	6944	7406	6119	4832	6297	4647	2296	8025	6814	6559	8722	10173
1965 Regional Surplus/Deficit	10100	10108	8842	9937	6375	7499	6688	7271	7873	8482	7780	6490	8764	9500
1966 Regional Surplus/Deficit	9904	9886	6833	9184	6499	6809	6651	3845	3452	9528	6722	7381	7870	9920
1967 Regional Surplus/Deficit	9976	8918	6248	7619	5978	5576	6662	7211	5990	8550	5896	5947	8666	10120
1968 Regional Surplus/Deficit	10037	9764	7195	8697	6259	6684	6658	7341	7870	3212	5702	6319	8669	10055
1969 Regional Surplus/Deficit	9892	9971	9645	10274	7788	7246	6746	7442	8151	8773	7906	7229	8694	9958
1970 Regional Surplus/Deficit	10028	8364	6396	8108	6241	5328	6579	7320	4217	3299	6789	7062	8820	8146
1971 Regional Surplus/Deficit	9242	7702	6366	8146	6515	5028	6744	7434	8091	8434	7398	6416	8691	10288
1972 Regional Surplus/Deficit	10232	10655	7855	8379	6538	6892	6729	7238	8058	8457	7348	5971	8326	10067
1973 Regional Surplus/Deficit	10066	10359	9002	8701	6144	7063	6781	919	2149	3133	2543	3360	6413	7899
1974 Regional Surplus/Deficit	8273	5410	5845	6578	5341	7348	6888	7452	7781	7976	6894	5128	8422	10118
1975 Regional Surplus/Deficit	10208	10602	8909	7263	6138	5589	6658	7041	8144	7977	7278	6325	8742	10218
1976 Regional Surplus/Deficit	9508	8669	7067	9713	8288	7662	6905	7385	8246	8866	7513	6575	8532	10129
1977 Regional Surplus/Deficit	10104	10645	12104	8973	5981	4538	4927	777	1936	2943	2238	2785	4029	5446
1978 Regional Surplus/Deficit	7688	4442	5672	5758	5411	5038	6436	5353	8037	7794	7727	7330	8331	10013
-Ranked Averages-														
Top Ten Percent	9859	9748	8721	10640	7952	7450	6741	6953	8049	9025	7934	6970	8619	9845
Middle Eighty Percent	9569	8387	6910	8178	6146	5701	5943	4993	5807	6926	6763	6429	8127	9374
Bottom Ten Percent	9050	7192	5992	7360	5937	3912	710	660	1924	3567	2337	2636	6283	7508

Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2005 - 2006 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	9882	7554	6267	7124	5858	4155	4027	335	1896	3609	2428	1872	7971	7519
1930 Regional Surplus/Deficit	8379	6991	6027	7335	5980	3798	-452	1798	1906	3629	1857	1203	7488	7477
1931 Regional Surplus/Deficit	8795	7240	5956	7237	5888	3798	-444	117	1335	5606	2209	2482	6127	6027
1932 Regional Surplus/Deficit	8102	5120	5562	6822	5674	3611	-375	134	5644	9600	8307	7430	9499	8886
1933 Regional Surplus/Deficit	9762	9504	6234	7578	5267	5888	6325	6585	1837	6472	6707	6596	9409	9372
1934 Regional Surplus/Deficit	9868	10135	7808	10043	8198	7309	6596	6895	7837	9221	7680	6919	6471	8142
1935 Regional Surplus/Deficit	8009	4866	5957	6665	5173	4990	6209	6663	1563	6053	7533	7180	9162	8804
1936 Regional Surplus/Deficit	9560	7553	6161	7328	5865	3814	1041	433	2703	3472	7294	7960	9161	7903
1937 Regional Surplus/Deficit	9609	7129	6258	7331	5935	3805	-1023	-52	1517	3579	2136	2765	7098	7148
1938 Regional Surplus/Deficit	9159	6206	6089	7943	5798	4342	6428	4241	7474	8993	7935	7132	9494	8637
1939 Regional Surplus/Deficit	8966	6782	6253	7788	5869	4049	5404	527	4026	6061	6263	7928	7713	7963
1940 Regional Surplus/Deficit	9673	7392	6222	8004	5732	4470	4324	2650	7731	7773	7053	6739	8207	7111
1941 Regional Surplus/Deficit	8675	6317	6107	7429	5480	5400	5281	651	2264	3511	2261	3827	7302	5049
1942 Regional Surplus/Deficit	7354	5587	5229	6876	5046	6993	6298	968	1658	4510	5133	6499	9516	9187
1943 Regional Surplus/Deficit	9729	9342	6241	7375	5586	5242	6202	6883	7764	9466	8102	7145	9509	9279
1944 Regional Surplus/Deficit	9829	9429	6338	7912	6013	4047	4862	26	1676	3505	2392	1095	5574	4857
1945 Regional Surplus/Deficit	7930	4585	5157	6050	5682	3756	-378	368	1310	3558	2360	7006	9502	8004
1946 Regional Surplus/Deficit	8865	8189	6193	7846	5995	4298	5937	6472	7766	9295	7837	7280	9562	9263
1947 Regional Surplus/Deficit	9905	9214	6671	7626	5981	7266	6437	7098	7767	7884	7859	7392	9456	8891
1948 Regional Surplus/Deficit	9771	8322	6315	11376	7656	7000	6526	4959	7051	8310	8116	7739	8797	9349
1949 Regional Surplus/Deficit	9869	10311	8796	8413	5751	5643	5740	4497	7813	8225	8213	7747	9324	7060
1950 Regional Surplus/Deficit	8672	5552	6314	7606	5579	3410	6068	7008	7626	8995	7294	6054	9243	9226
1951 Regional Surplus/Deficit	9765	10154	7289	9957	8436	7545	6699	7376	7899	9200	7427	6585	9190	9282
1952 Regional Surplus/Deficit	9877	10056	8150	10817	6340	7131	6382	6947	7578	9194	7963	7532	9648	8347
1953 Regional Surplus/Deficit	9820	8219	6307	7229	6086	4030	5189	7209	3794	3574	5996	7938	9560	9413
1954 Regional Surplus/Deficit	9909	9282	6782	8286	6116	6597	6281	7080	7005	9008	7430	6539	9171	9165
1955 Regional Surplus/Deficit	9942	10245	11603	9601	7043	6641	4287	559	1468	6349	3418	6155	9224	9218
1956 Regional Surplus/Deficit	9825	10223	6364	9422	7549	7432	6570	6827	7349	8716	7100	7033	9487	9430
1957 Regional Surplus/Deficit	9947	9833	6594	8655	5715	6793	6169	2532	6491	9778	7918	8023	9533	8443
1958 Regional Surplus/Deficit	9366	7327	6270	7895	5904	4488	6048	6920	7352	6431	8546	7976	9609	8035
1959 Regional Surplus/Deficit	9354	7857	6263	7561	6887	7105	6530	6890	7327	9132	7293	6635	9459	9158
1960 Regional Surplus/Deficit	9792	9485	11431	11817	8728	7283	6386	5019	7222	10282	8431	7707	9611	9084
1961 Regional Surplus/Deficit	9799	7618	6248	7977	6379	5458	6102	6968	7847	9300	7820	7683	9077	8623
1962 Regional Surplus/Deficit	9425	8380	6186	7765	5905	3595	6001	2110	1486	10040	8526	7783	9326	9119
1963 Regional Surplus/Deficit	9774	8980	6260	9090	7134	7160	6292	6244	5717	6498	5629	7878	9578	8894
1964 Regional Surplus/Deficit	9738	9214	6952	7228	6078	4746	6107	4482	1939	8427	6686	6815	9576	9363
1965 Regional Surplus/Deficit	9940	9971	8835	9742	6337	7370	6486	7053	7483	8879	7634	6747	9618	8685
1966 Regional Surplus/Deficit	9743	9749	6834	8990	6457	6691	6454	3700	3091	9935	6598	7644	8739	9115
1967 Regional Surplus/Deficit	9815	8785	6203	7439	5940	5483	6460	6993	5641	8946	5782	6203	9521	9310
1968 Regional Surplus/Deficit	9877	9632	7203	8507	6217	6570	6460	7131	7498	3609	5588	6582	9523	9245
1969 Regional Surplus/Deficit	9731	9837	9636	10073	7728	7123	6544	7224	7765	9170	7760	7485	9548	9149
1970 Regional Surplus/Deficit	9867	8238	6351	7927	6202	5234	6380	7109	3870	3720	6675	7324	9674	7332
1971 Regional Surplus/Deficit	9105	7573	6322	7954	6466	4928	6543	7216	7700	8831	7251	6673	9546	9478
1972 Regional Surplus/Deficit	10071	10513	7853	8190	6492	6774	6528	7020	7667	8853	7202	6227	9180	9256
1973 Regional Surplus/Deficit	9905	10221	8992	8512	6102	6943	6585	701	1788	3529	2397	3630	7288	7093
1974 Regional Surplus/Deficit	8138	5304	5800	6390	5300	7220	6687	7234	7390	8373	6748	5384	9276	9308
1975 Regional Surplus/Deficit	10047	10461	8903	7082	6095	5488	6460	6840	7754	8399	7149	6581	9597	9407
1976 Regional Surplus/Deficit	9372	8542	7070	9513	8223	7533	6704	7167	7855	9262	7367	6832	9392	9319
1977 Regional Surplus/Deficit	9943	10490	12077	8784	5941	4451	4750	559	1546	3339	2092	3078	4922	4644
1978 Regional Surplus/Deficit	7552	4348	5627	5526	5372	4926	6239	5154	7647	8220	7599	7586	9193	9203
<b>-Ranked Averages-</b>														
Top Ten Percent	9707	9615	8715	10436	7891	7323	6543	6747	7664	9422	7789	7228	9478	9036
Middle Eighty Percent	9418	8260	6881	7990	6106	5600	5752	4788	5432	7333	6627	6689	8987	8564
Bottom Ten Percent	8908	7075	5947	7173	5900	3841	513	452	1549	3975	2191	2910	7158	6703

Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2006 - 2007 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	8925	7241	6016	6767	5412	3653	3395	-286	1516	2641	1359	-296	5743	7109
1930 Regional Surplus/Deficit	7445	6682	5775	6960	5536	3301	-1129	1251	1531	2742	788	-970	5262	7067
1931 Regional Surplus/Deficit	7861	6930	5705	6861	5444	3300	-1121	-503	890	4698	1140	292	3914	5636
1932 Regional Surplus/Deficit	7171	4824	5311	6453	5231	3102	-1052	-487	5252	8649	7238	5170	7236	8467
1933 Regional Surplus/Deficit	8805	9176	5982	7212	4834	5354	5656	5964	1475	5565	5671	4337	7146	8932
1934 Regional Surplus/Deficit	8929	9804	7628	9654	7727	6739	5919	6274	7392	8253	6611	4660	4251	7725
1935 Regional Surplus/Deficit	7085	4591	5706	6301	4739	4468	5537	6042	1118	5146	6491	4942	6913	8385
1936 Regional Surplus/Deficit	8603	7245	5910	6961	5424	3317	453	-188	2329	2504	6257	5701	6919	7496
1937 Regional Surplus/Deficit	8669	6820	6006	6960	5493	3308	-1700	-673	1142	2611	1067	561	4875	6747
1938 Regional Surplus/Deficit	8224	5917	5837	7565	5362	3841	5757	3695	7054	8025	6866	4873	7241	8223
1939 Regional Surplus/Deficit	8031	6462	6002	7419	5424	3548	4768	-94	3654	5152	5234	5675	5484	7552
1940 Regional Surplus/Deficit	8716	7083	5971	7631	5295	3963	3700	2101	7307	6840	6023	4502	5969	6710
1941 Regional Surplus/Deficit	7742	6022	5856	7064	5046	4880	4634	30	1889	2543	1192	1623	5069	4659
1942 Regional Surplus/Deficit	6420	5280	4978	6507	4615	6430	5621	424	1213	3619	4116	4266	7253	8762
1943 Regional Surplus/Deficit	8772	9013	5990	7009	5145	4722	5530	6275	7319	8498	7034	4886	7246	8839
1944 Regional Surplus/Deficit	8873	9101	6086	7542	5565	3545	4218	-595	1231	2537	1323	-1064	3359	4467
1945 Regional Surplus/Deficit	6995	4292	4906	5684	5237	3253	-1055	-253	865	2590	1292	4771	7246	7599
1946 Regional Surplus/Deficit	7926	7865	5941	7468	5551	3799	5281	5879	7321	8327	6769	5021	7299	8837
1947 Regional Surplus/Deficit	8949	8889	6497	7261	5537	6700	5760	6477	7322	6957	6810	5132	7204	8471
1948 Regional Surplus/Deficit	8814	7996	6064	10972	7191	6443	5850	4394	6648	7375	7048	5480	6534	8908
1949 Regional Surplus/Deficit	8913	9977	8595	8041	5310	5114	5084	3929	7368	7293	7144	5488	7072	6661
1950 Regional Surplus/Deficit	7737	5249	6062	7234	5141	2921	5406	6387	7181	8027	6225	3795	6980	8786
1951 Regional Surplus/Deficit	8823	9823	7104	9569	7963	6975	6022	6755	7454	8232	6358	4326	6945	8841
1952 Regional Surplus/Deficit	8920	7924	7960	10420	5894	6568	5707	6346	7156	8225	6894	5273	7392	7937
1953 Regional Surplus/Deficit	8863	8781	6056	6861	5640	3532	4545	6588	3442	2606	4967	5679	7296	8972
1954 Regional Surplus/Deficit	8953	8954	6606	7915	5673	6049	5611	6459	6599	8040	6361	4280	6907	8724
1955 Regional Surplus/Deficit	8985	9912	11379	9216	6586	6092	3663	-62	1023	5443	2450	3921	6960	8777
1956 Regional Surplus/Deficit	8868	9889	6192	9040	7083	6862	5893	6206	6904	7748	6031	4774	7223	8989
1957 Regional Surplus/Deficit	8991	9503	6421	8280	5274	6241	5501	1984	6100	8810	6870	5764	7269	8027
1958 Regional Surplus/Deficit	8427	7004	6019	7524	5460	3978	5390	6314	6943	5514	7489	5717	7346	7623
1959 Regional Surplus/Deficit	8414	7539	6012	7199	6431	6541	5853	6269	6911	8164	6255	4376	7196	8718
1960 Regional Surplus/Deficit	8835	9157	11210	11405	8252	6719	5714	4462	6813	9314	7370	5462	7348	8663
1961 Regional Surplus/Deficit	8843	7298	5997	7610	5932	4930	5434	6355	7417	8352	6767	5423	6814	8207
1962 Regional Surplus/Deficit	8488	8063	5934	7398	5459	3093	5335	1582	1107	9072	7457	5535	7080	8696
1963 Regional Surplus/Deficit	8817	8655	6009	8710	6677	6597	5622	5667	5319	5591	4616	5619	7324	8475
1964 Regional Surplus/Deficit	8781	8885	6775	6868	5631	4231	5442	3931	1562	7490	5648	4555	7313	8922
1965 Regional Surplus/Deficit	8983	9640	8638	9356	5892	6799	5809	6432	7038	7911	6565	4487	7355	8269
1966 Regional Surplus/Deficit	8787	9415	6661	8612	6011	6140	5784	3168	2719	8984	5569	5398	6500	8691
1967 Regional Surplus/Deficit	8859	8461	5952	7075	5496	4959	5784	6372	5260	7978	4754	3944	7257	8869
1968 Regional Surplus/Deficit	8920	9304	7023	8134	5773	6023	5789	6523	7087	2641	4569	4345	7260	8804
1969 Regional Surplus/Deficit	8774	9507	9433	9684	7263	6562	5867	6603	7338	8202	6691	5226	7285	8726
1970 Regional Surplus/Deficit	8911	7919	6100	7563	5754	4714	5708	6501	3509	2847	5644	5077	7411	6933
1971 Regional Surplus/Deficit	8167	7247	6070	7581	6013	4416	5866	6595	7255	7863	6183	4413	7282	9037
1972 Regional Surplus/Deficit	9114	10177	7665	7820	6045	6224	5851	6399	7222	7885	6133	3968	6917	8816
1973 Regional Surplus/Deficit	8949	9888	8790	8137	5657	6388	5909	80	1411	2561	1328	1421	5059	6686
1974 Regional Surplus/Deficit	7205	5009	5549	6025	4865	6654	6010	6613	6945	7405	5679	3125	7013	8867
1975 Regional Surplus/Deficit	9091	10125	8704	6722	5648	4965	5788	6243	7309	7466	6109	4322	7333	8966
1976 Regional Surplus/Deficit	8434	8214	6894	9130	7753	6962	6027	6546	7410	8294	6298	4572	7143	8878
1977 Regional Surplus/Deficit	8986	10144	11846	8407	5494	3945	4106	-62	1100	2371	1024	878	2717	4258
1978 Regional Surplus/Deficit	6619	4066	5376	5165	4932	4404	5570	4584	7202	7292	6555	5327	6947	8778
<b>-Ranked Averages-</b>														
Top Ten Percent	8757	9285	8520	10041	7425	6757	5868	6142	7234	8454	6722	4972	7223	8609
Middle Eighty Percent	8470	7941	6653	7618	5660	5069	5089	4189	5019	6386	5578	4440	6733	8141
Bottom Ten Percent	7969	6765	5696	6801	5455	3342	-157	-155	1132	3036	1122	718	4931	6303

Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2007 - 2008 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	9074	6840	5523	6528	5078	3323	2788	-884	1296	2825	1998	750	7066	7735
1930 Regional Surplus/Deficit	7642	6291	5283	6699	5208	2981	-1790	738	1321	2998	1428	80	6598	7695
1931 Regional Surplus/Deficit	8054	6535	5212	6597	5114	2986	-1782	-1101	606	4936	1779	1334	5274	6290
1932 Regional Surplus/Deficit	7366	4442	4819	6203	4904	2771	-1713	-1084	5009	8851	7878	6150	8529	9082
1933 Regional Surplus/Deficit	8954	8755	5490	6964	4516	4986	5005	5367	1283	5831	6350	5316	8439	9517
1934 Regional Surplus/Deficit	9080	9377	7227	9379	7359	6324	5258	5676	7107	8436	7251	5639	5599	8343
1935 Regional Surplus/Deficit	7293	4239	5214	6055	4419	4117	4884	5444	834	5389	7159	5940	8221	9002
1936 Regional Surplus/Deficit	8752	6850	5418	6715	5100	3005	-99	-786	2112	2743	6917	6681	8239	8129
1937 Regional Surplus/Deficit	8854	6428	5514	6705	5169	2993	-2361	-1270	935	2794	1706	1573	6207	7386
1938 Regional Surplus/Deficit	8415	5551	5345	7303	5044	3511	5096	3193	6793	8208	7505	5853	8544	8847
1939 Regional Surplus/Deficit	8228	6071	5524	7164	5091	3216	4158	-691	3434	5388	5903	6660	6818	8180
1940 Regional Surplus/Deficit	8865	6687	5479	7375	4976	3630	3102	1580	7042	7051	6702	5499	7290	7350
1941 Regional Surplus/Deficit	7939	5645	5364	6815	4727	4530	4006	-568	1673	2727	1832	2654	6393	5311
1942 Regional Surplus/Deficit	6619	4896	4485	6248	4293	6023	4960	-85	929	3862	4794	5267	8547	9370
1943 Regional Surplus/Deficit	8921	8592	5497	6760	4817	4362	4875	5689	7035	8682	7673	5866	8540	9424
1944 Regional Surplus/Deficit	9022	6886	5594	7286	5228	3209	3595	-1192	947	2720	1963	6.3	4697	5119
1945 Regional Surplus/Deficit	7192	3927	4414	5432	4905	2928	-1716	-850	581	2773	1931	5767	8545	8235
1946 Regional Surplus/Deficit	8117	7458	5449	7201	5220	3465	4640	5311	7037	8510	7408	6000	8593	9444
1947 Regional Surplus/Deficit	9098	8474	6093	7006	5202	6288	5099	5879	7037	7191	7465	6112	8509	9085
1948 Regional Surplus/Deficit	8963	7585	5572	10679	6829	6044	5188	3851	6408	7599	7687	6459	7828	9494
1949 Regional Surplus/Deficit	9062	9538	8162	7784	4980	4748	4448	3385	7084	7511	7784	6468	8378	7301
1950 Regional Surplus/Deficit	7934	4876	5570	6975	4816	2606	4764	5789	6897	8210	6865	4775	8273	9372
1951 Regional Surplus/Deficit	9010	9398	6686	9290	7589	6561	5361	6158	7169	8416	6997	5305	8259	9427
1952 Regional Surplus/Deficit	9069	9297	7540	10133	5560	6160	5046	5769	6892	8409	7534	6253	8693	8566
1953 Regional Surplus/Deficit	9012	7482	5563	6608	5308	3209	3912	5991	3255	2789	5647	6659	8590	9558
1954 Regional Surplus/Deficit	9102	8541	6202	7660	5342	5661	4957	5861	6357	8223	7001	5259	8201	9310
1955 Regional Surplus/Deficit	9134	9483	10923	8947	6238	5705	3065	-660	738	5685	3192	4927	8254	9363
1956 Regional Surplus/Deficit	9017	9456	5795	8772	6720	6448	5232	5609	6620	7931	6671	5754	8517	9575
1957 Regional Surplus/Deficit	9140	9082	6017	8018	4945	5847	4852	1459	5862	8993	7531	6743	8563	8647
1958 Regional Surplus/Deficit	8616	6606	5526	7266	5129	3631	4752	5732	6698	5752	8138	6696	8639	8247
1959 Regional Surplus/Deficit	8602	7137	5520	6953	6079	6134	5192	5672	6653	8348	6928	5355	8489	9304
1960 Regional Surplus/Deficit	8984	8740	10756	11098	7876	6312	5053	3939	6561	9497	8019	6458	8641	9276
1961 Regional Surplus/Deficit	8992	6896	5504	7360	5595	4570	4784	5757	7149	8561	7428	6403	8107	8826
1962 Regional Surplus/Deficit	8676	7656	5442	7150	5126	2765	4686	1092	889	9255	8096	6529	8390	9306
1963 Regional Surplus/Deficit	8966	8239	5516	8439	6324	6191	4970	5111	5079	5837	5317	6599	8625	9090
1964 Regional Surplus/Deficit	8930	8467	6370	6624	5295	3886	4797	3421	1349	7696	6321	5535	8606	9508
1965 Regional Surplus/Deficit	9132	9215	8210	9083	5561	6385	5148	5834	6753	8094	7204	5467	8649	8887
1966 Regional Surplus/Deficit	8936	8992	6253	8345	5675	5746	5131	2687	2502	9186	6251	6391	7821	9300
1967 Regional Surplus/Deficit	9008	8043	5459	6829	5164	4601	5122	5775	5050	8162	5447	4924	8551	9455
1968 Regional Surplus/Deficit	9069	8887	6617	7874	5439	5635	5136	5939	6839	2824	5267	5344	8553	9390
1969 Regional Surplus/Deficit	8923	9086	8999	9406	6901	6158	5206	6006	7069	8385	7331	6206	8578	9336
1970 Regional Surplus/Deficit	9060	7514	5607	7315	5420	4359	5052	5917	3313	3149	6334	6069	8705	7573
1971 Regional Surplus/Deficit	8360	6843	5578	7318	5668	4060	5205	5997	6971	8046	6822	5393	8576	9623
1972 Regional Surplus/Deficit	9263	9742	7246	7562	5705	5830	5190	5802	6938	8069	6773	4947	8210	9401
1973 Regional Surplus/Deficit	9098	9459	8356	7875	5323	5990	5247	-517	1193	2745	1968	2441	6391	7317
1974 Regional Surplus/Deficit	7401	4634	5056	5770	4535	6244	5349	6015	6661	7588	6319	4105	8307	9453
1975 Regional Surplus/Deficit	9240	9691	8275	6477	5311	4602	5134	5672	7024	7692	6779	5302	8627	9552
1976 Regional Surplus/Deficit	8630	7812	6484	8854	7383	6548	5366	5949	7126	8478	6937	5552	8449	9464
1977 Regional Surplus/Deficit	9135	9685	11380	8144	5158	3605	3484	-659	816	2555	1663	1925	4079	4915
1978 Regional Surplus/Deficit	6812	3711	4884	4927	4603	4030	4917	4032	6917	7525	7225	6306	8256	9385
<b>-Ranked Averages-</b>														
Top Ten Percent	8923	8867	8093	9756	7062	6348	5206	5564	6963	8637	7364	5955	8524	9214
Middle Eighty Percent	8634	7533	6188	7362	5326	4702	4444	3615	4766	6593	6237	5429	8038	8749
Bottom Ten Percent	8153	6374	5203	6544	5125	3019	-811	-735	878	3244	1761	1752	6264	6945

<div> <div>Regional Surplus/Deficit by Water Year</div> <div>PNW Loads and Resources Study</div> <div>2008 - 2009 Operating Year</div> <div>[22] 2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	9034	6825	5584	6233	4362	2544	2327	-1384	848	2418	1143	-596	5469	7223
1930 Regional Surplus/Deficit	7625	6280	5343	6394	4493	2204	-2278	283	877	2640	572	-1268	5002	7182
1931 Regional Surplus/Deficit	8034	6522	5273	6292	4400	2209	-2270	-1601	117	4567	924	-22	3684	5788
1932 Regional Surplus/Deficit	7347	4434	4879	5902	4191	1988	-2201	-1585	4552	8453	7022	4761	6915	8562
1933 Regional Surplus/Deficit	8914	8729	5551	6664	3808	4187	4522	4866	846	5460	5513	3927	6825	8985
1934 Regional Surplus/Deficit	9040	9347	7328	9066	6630	5505	4770	5176	6619	8030	6395	4250	4007	7825
1935 Regional Surplus/Deficit	7281	4247	5274	5756	3711	3326	4400	4944	345	5019	6318	4562	6615	8483
1936 Regional Surplus/Deficit	8712	6838	5478	6415	4388	2228	-533	-1286	1669	2391	6079	5291	6636	7617
1937 Regional Surplus/Deficit	8829	6417	5575	6403	4455	2217	-2849	-1771	490	2388	851	209	4613	6879
1938 Regional Surplus/Deficit	8395	5552	5406	6996	4334	2733	4609	2737	6319	7802	6650	4463	6935	8331
1939 Regional Surplus/Deficit	8209	6063	5633	6863	4376	2438	3693	-1192	2990	5017	5068	5272	5220	7666
1940 Regional Surplus/Deficit	8826	6675	5539	7071	4266	2847	2645	1122	6565	6665	5866	4121	5688	6843
1941 Regional Surplus/Deficit	7921	5641	5424	6516	4020	3740	3535	-1068	1228	2320	976	1292	4795	4812
1942 Regional Surplus/Deficit	6603	4889	4546	5947	3587	5208	4473	-537	440	3502	3967	3891	6933	8846
1943 Regional Surplus/Deficit	8881	8567	5558	6460	4105	3573	4391	5196	6546	8276	6817	4476	6926	8892
1944 Regional Surplus/Deficit	8982	8662	5655	6984	4511	2430	3126	-1693	458	2314	1107	-1333	3107	4620
1945 Regional Surplus/Deficit	7175	3931	4474	5132	4190	2149	-2204	-1350	92	2367	1075	4390	6934	7723
1946 Regional Surplus/Deficit	8097	7441	5509	6894	4506	2687	4164	4827	6548	8104	6552	4611	6979	8921
1947 Regional Surplus/Deficit	9058	8451	6199	6708	4488	5472	4612	5379	6549	6809	6610	4723	6900	8564
1948 Regional Surplus/Deficit	8923	7566	5632	10356	6103	5232	4701	3384	5944	7213	6831	5070	6214	8962
1949 Regional Surplus/Deficit	9022	9495	8252	7481	4268	3953	3972	2917	6595	7124	6928	5078	6770	6796
1950 Regional Surplus/Deficit	7917	4877	5631	6672	4105	1836	4285	5289	6408	7804	6009	3385	6659	8839
1951 Regional Surplus/Deficit	8986	9369	6786	8978	6859	5741	4874	5657	6681	8010	6142	3916	6655	8894
1952 Regional Surplus/Deficit	9029	9267	7636	9815	4845	5344	4558	5279	6417	8003	6678	4863	7083	8052
1953 Regional Surplus/Deficit	8973	7464	5624	6307	4592	2432	3444	5490	2822	2383	4814	5269	6976	9026
1954 Regional Surplus/Deficit	9062	8518	6306	7358	4628	4854	4473	5361	5892	7817	6145	3870	6587	8778
1955 Regional Surplus/Deficit	9095	9452	10999	8637	5517	4898	2608	-1160	250	5315	2391	3552	6640	8830
1956 Regional Surplus/Deficit	8977	9423	5902	8463	5995	5628	4744	5109	6131	7525	5815	4364	6903	9043
1957 Regional Surplus/Deficit	9100	9055	6123	7714	4232	5038	4369	1002	5405	8587	6686	5354	6949	8130
1958 Regional Surplus/Deficit	8594	6592	5587	6964	4415	2846	4275	5240	6230	5377	7288	5307	7025	7733
1959 Regional Surplus/Deficit	8580	7123	5580	6656	5358	5318	4704	5172	6181	7941	6072	3966	6875	8771
1960 Regional Surplus/Deficit	8944	8715	10833	10771	7143	5497	4566	3475	6093	9091	7167	5076	7027	8755
1961 Regional Surplus/Deficit	8952	6881	5565	7059	4878	3775	4302	5257	6668	8166	6582	5014	6493	8308
1962 Regional Surplus/Deficit	8654	7637	5503	6849	4411	1986	4204	647	441	8849	7241	5146	6785	8783
1963 Regional Surplus/Deficit	8926	8217	5577	8132	5602	5376	4487	4636	4619	5466	4491	5209	7015	8569
1964 Regional Surplus/Deficit	8890	8442	6473	6328	4579	3100	4317	2961	903	7308	5484	4146	6992	8976
1965 Regional Surplus/Deficit	9092	9186	8301	8772	4846	5566	4661	5334	6265	7688	6349	4078	7035	8370
1966 Regional Surplus/Deficit	8896	8965	6358	8038	4960	4937	4647	2239	2057	8788	5417	5009	6219	8776
1967 Regional Surplus/Deficit	8968	8020	5520	6530	4450	3808	4635	5274	4599	7755	4616	3534	6937	8923
1968 Regional Surplus/Deficit	9029	8861	6718	7570	4725	4829	4652	5445	6370	2418	4439	3967	6939	8858
1969 Regional Surplus/Deficit	8884	9059	9087	9093	6175	5343	4719	5505	6591	7979	6475	4816	6964	8813
1970 Regional Surplus/Deficit	9020	7495	5668	7016	4704	3568	4567	5424	2875	2802	5500	4686	7091	7067
1971 Regional Surplus/Deficit	8341	6827	5638	7014	4949	3274	4717	5497	6482	7640	5966	4004	6962	9091
1972 Regional Surplus/Deficit	9224	9708	7342	7259	4989	5022	4702	5301	6449	7662	5917	3558	6596	8869
1973 Regional Surplus/Deficit	9058	9428	8444	7570	4608	5179	4760	-1018	746	2338	1112	1077	4793	6806
1974 Regional Surplus/Deficit	7382	4631	5117	5471	3825	5427	4861	5515	6172	7182	5463	2715	6693	8921
1975 Regional Surplus/Deficit	9200	9657	8365	6180	4595	3810	4650	5185	6536	7305	5941	3912	7013	9020
1976 Regional Surplus/Deficit	8610	7795	6587	8544	6654	5729	4878	5448	6637	8071	6082	4163	6843	8932
1977 Regional Surplus/Deficit	9096	9643	11451	7837	4441	2822	3015	-1159	327	2148	807	565	2493	4416
1978 Regional Surplus/Deficit	6792	3715	4944	4635	3892	3239	4434	3561	6429	7141	6384	4917	6652	8856
-Ranked Averages-														
Top Ten Percent	8891	8841	8186	9440	6335	5531	4719	5073	6484	8231	6509	4567	6914	8689
Middle Eighty Percent	8602	7514	6263	7059	4611	3906	3965	3127	4296	6200	5392	4045	6429	8227
Bottom Ten Percent	8129	6362	5264	6241	4410	2242	-1295	-1226	407	2855	906	395	4668	6438

<div> <div>Regional Surplus/Deficit by Water Year</div> <div>PNW Loads and Resources Study</div> <div>2009 - 2010 Operating Year</div> <div>[22] 2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	8655	6239	4966	5661	3720	1878	1638	-2059	233	1220	487	717	5271	6506
1930 Regional Surplus/Deficit	7267	5698	4726	5811	3852	1541	-2993	-346	264	1488	-84	44	4805	6463
1931 Regional Surplus/Deficit	7674	5938	4655	5709	3758	1546	-2985	-2276	-540	3406	268	1282	3494	5081
1932 Regional Surplus/Deficit	6988	3856	4261	5323	3550	1319	-2916	-2260	3927	7263	6366	6031	6700	7836
1933 Regional Surplus/Deficit	8535	8133	4933	6086	3174	3503	3811	4191	241	4297	4877	5197	6610	8248
1934 Regional Surplus/Deficit	8661	8745	6751	8475	5974	4800	4055	4501	5961	6832	5739	5521	3812	7102
1935 Regional Surplus/Deficit	6928	3684	4656	5180	3075	2649	3687	4269	-312	3856	5677	5844	6407	7758
1936 Regional Surplus/Deficit	8333	6256	4861	5837	3748	1565	-1196	-1961	1056	1247	5440	6562	6432	6900
1937 Regional Surplus/Deficit	8465	5836	4957	5822	3815	1554	-3564	-2446	-122	1195	195	1506	4417	6167
1938 Regional Surplus/Deficit	8034	4982	4788	6412	3696	2068	3893	2105	5677	6604	5994	5734	6724	7609
1939 Regional Surplus/Deficit	7851	5484	5063	6284	3734	1772	3000	-1867	2377	3853	4432	6543	5021	6948
1940 Regional Surplus/Deficit	8446	6091	4921	6489	3628	2177	1960	489	5919	5487	5229	5403	5485	6131
1941 Regional Surplus/Deficit	7563	5067	4807	5939	3384	3063	2836	-1743	614	1122	320	2591	4595	4108
1942 Regional Surplus/Deficit	6247	4311	3928	5369	2953	4507	3757	-1163	-217	2349	3339	5175	6717	8117
1943 Regional Surplus/Deficit	8502	7971	4940	5883	3466	2897	3679	4528	5889	7077	6161	5747	6710	8155
1944 Regional Surplus/Deficit	8602	8067	5037	6405	3867	1764	2429	-2368	-199	1115	451	-13	2916	3917
1945 Regional Surplus/Deficit	6817	3363	3856	4555	3548	1483	-2919	-2026	-541	1169	419	5673	6722	7007
1946 Regional Surplus/Deficit	7738	6853	4892	6310	3864	2023	3459	4167	5891	6905	5896	5882	6763	8192
1947 Regional Surplus/Deficit	8678	7857	5626	6132	3847	4769	3896	4704	5892	5633	5954	5993	6690	7839
1948 Regional Surplus/Deficit	8544	6976	5014	9756	5451	4534	3985	2741	5311	6034	6175	6340	5998	8225
1949 Regional Surplus/Deficit	8642	8883	7664	6901	3628	3271	3268	2274	5938	5945	6272	6349	6561	6085
1950 Regional Surplus/Deficit	7560	4306	5013	6091	3467	1179	3578	4614	5751	6606	5353	4656	6444	8102
1951 Regional Surplus/Deficit	8622	8770	6207	8388	6202	5036	4158	4982	6023	6811	5486	5187	6451	8157
1952 Regional Surplus/Deficit	8650	8667	7053	9219	4203	4643	3842	4615	5773	6804	6022	6134	6871	7333
1953 Regional Surplus/Deficit	8593	6876	5006	5728	3950	1769	2747	4815	2221	1185	4182	6540	6760	8289
1954 Regional Surplus/Deficit	8682	7924	5731	6777	3986	4161	3762	4686	5258	6619	5489	5141	6372	8041
1955 Regional Surplus/Deficit	8715	8850	10395	8049	4870	4204	1922	-1835	-407	4152	1789	4838	6425	8093
1956 Regional Surplus/Deficit	8598	8820	5329	7877	5342	4923	4029	4433	5474	6326	5159	5635	6687	8306
1957 Regional Surplus/Deficit	8720	8457	5550	7132	3593	4343	3658	371	4780	7389	6040	6625	6733	7408
1958 Regional Surplus/Deficit	8232	6008	4969	6384	3773	2175	3569	4574	5592	4210	6638	6578	6810	7014
1959 Regional Surplus/Deficit	8218	6537	4962	6081	4710	4617	3989	4496	5541	6743	5416	5237	6660	8034
1960 Regional Surplus/Deficit	8565	8118	10231	10165	6484	4796	3850	2836	5456	7893	6514	6354	6812	8029
1961 Regional Surplus/Deficit	8572	6295	4947	6480	4235	3094	3591	4582	6019	6978	5936	6284	6278	7585
1962 Regional Surplus/Deficit	8291	7047	4885	6271	3768	1319	3494	27	-176	7650	6585	6423	6578	8056
1963 Regional Surplus/Deficit	8547	7624	4959	7547	4953	4674	3775	3986	3990	4302	3865	6480	6804	7844
1964 Regional Surplus/Deficit	8511	7848	5896	5754	3936	2427	3608	2326	289	6127	4847	5416	6777	8239
1965 Regional Surplus/Deficit	8713	8587	7714	8184	4204	4860	3945	4659	5607	6489	5693	5348	6819	7647
1966 Regional Surplus/Deficit	8516	8367	5784	7454	4318	4243	3936	1615	1443	7598	4783	6286	6016	8048
1967 Regional Surplus/Deficit	8588	7427	4902	5953	3809	3129	3919	4599	3980	6557	3985	4805	6721	8186
1968 Regional Surplus/Deficit	8650	8264	6140	6988	4083	4137	3940	4776	5733	1219	3810	5250	6724	8121
1969 Regional Surplus/Deficit	8504	8461	8497	8503	5522	4643	4003	4830	5944	6780	5819	6087	6749	8086
1970 Regional Surplus/Deficit	8640	6906	5050	6439	4060	2891	3854	4756	2268	1662	4865	5964	6875	6355
1971 Regional Surplus/Deficit	7981	6241	5021	6433	4302	2602	4001	4822	5825	6441	5310	5274	6747	8354
1972 Regional Surplus/Deficit	8844	9103	6760	6679	4346	4328	3986	4626	5792	6464	5261	4829	6381	8132
1973 Regional Surplus/Deficit	8678	8826	7854	6988	3966	4483	4044	-1693	131	1140	456	2373	4595	6090
1974 Regional Surplus/Deficit	7023	4057	4499	4894	3189	4725	4145	4840	5515	5983	4807	3986	6477	8184
1975 Regional Surplus/Deficit	8820	9053	7776	5606	3951	3131	3937	4523	5879	6127	5302	5183	6798	8283
1976 Regional Surplus/Deficit	8249	7207	6012	7956	5998	5024	4163	4773	5980	6873	5426	5433	6634	8195
1977 Regional Surplus/Deficit	8716	9030	10843	7252	3797	2154	2318	-1835	-330	950	151	1865	2305	3712
1978 Regional Surplus/Deficit	6432	3149	4327	4064	3253	2562	3723	2915	5771	5964	5743	6188	6446	8119
-Ranked Averages-														
Top Ten Percent	8518	8245	7600	8846	5682	4828	4003	4407	5835	7032	5853	5839	6703	7960
Middle Eighty Percent	8230	6925	5660	6479	3969	3223	3257	2465	3659	5015	4746	5321	6218	7500
Bottom Ten Percent	7765	5780	4646	5660	3768	1578	-2007	-1892	-228	1675	250	1698	4471	5727

Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2010 - 2011 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7977	5810	4645	5607	3497	1630	1416	-2258	232	524	-100	-468	4677	6375
1930 Regional Surplus/Deficit	6609	5272	4405	5748	3630	1295	-3238	-505	265	835	-671	-1143	4212	6332
1931 Regional Surplus/Deficit	7013	5509	4334	5647	3536	1299	-3230	-2476	-578	2744	-319	89	2906	4959
1932 Regional Surplus/Deficit	6329	3433	3940	5264	3329	1067	-3161	-2459	3918	6575	5779	4810	6091	7699
1933 Regional Surplus/Deficit	7857	7694	4612	6028	2958	3238	3571	3992	250	3632	4307	3976	6001	8100
1934 Regional Surplus/Deficit	7983	8302	6465	8406	5739	4517	3810	4302	5923	6136	5152	4299	3222	6967
1935 Regional Surplus/Deficit	6275	3275	4336	5123	2859	2390	3446	4069	-350	3193	5103	4631	5804	7621
1936 Regional Surplus/Deficit	7655	5829	4540	5779	3528	1319	-1394	-2160	1059	600	4869	5340	5833	6770
1937 Regional Surplus/Deficit	7801	5410	4636	5761	3594	1308	-3809	-2645	-120	547	-392	307	3826	6041
1938 Regional Surplus/Deficit	7373	4566	4467	6349	3478	1820	3648	1945	5651	5908	5407	4512	6120	7475
1939 Regional Surplus/Deficit	7192	5061	4785	6225	3512	1524	2775	-2066	2378	3188	3863	5321	4427	6817
1940 Regional Surplus/Deficit	7769	5664	4600	6427	3410	1926	1742	327	5891	4810	4659	4192	4886	6005
1941 Regional Surplus/Deficit	6905	4647	4486	5882	3168	2806	2606	-1943	615	426	-267	1393	4001	3989
1942 Regional Surplus/Deficit	5590	3889	3607	5311	2738	4227	3512	-1318	-255	1696	2778	3965	6109	7970
1943 Regional Surplus/Deficit	7824	7532	4619	5825	3246	2640	3437	4335	5851	6381	5574	4525	6102	8007
1944 Regional Surplus/Deficit	7925	7629	4716	6345	3644	1517	2200	-2567	-237	420	-136	-1193	2327	3799
1945 Regional Surplus/Deficit	6160	2949	3535	4497	3326	1235	-3164	-2225	-545	473	-168	4463	6116	6877
1946 Regional Surplus/Deficit	7078	6422	4571	6247	3643	1776	3225	3982	5853	6210	5310	4660	6155	8051
1947 Regional Surplus/Deficit	8001	7421	5344	6075	3625	4488	3652	4505	5853	4958	5367	4772	6085	7700
1948 Regional Surplus/Deficit	7866	6543	4694	9678	5219	4257	3741	2571	5294	5356	5588	5119	5390	8077
1949 Regional Surplus/Deficit	7965	8429	7369	6840	3408	3009	3033	2103	5900	5267	5685	5127	5957	5960
1950 Regional Surplus/Deficit	6902	3891	4692	6031	3249	939	3340	4414	5713	5910	4766	3434	5835	7954
1951 Regional Surplus/Deficit	7958	8328	5920	8319	5967	4753	3913	4783	5985	6116	4899	3965	5851	8009
1952 Regional Surplus/Deficit	7972	8224	6762	9145	3980	4363	3598	4425	5747	6109	5435	4912	6265	7200
1953 Regional Surplus/Deficit	7916	6444	4685	5670	3727	1522	2520	4616	2232	489	3615	5318	6152	8141
1954 Regional Surplus/Deficit	8005	7487	5448	6717	3765	3889	3520	4487	5240	5923	4902	3919	5763	7893
1955 Regional Surplus/Deficit	8038	8406	10087	7982	4643	3932	1704	-2034	-446	3488	1249	3629	5816	7945
1956 Regional Surplus/Deficit	7920	8375	5048	7811	5111	4640	3784	4234	5436	5631	4572	4413	6079	8158
1957 Regional Surplus/Deficit	8043	8017	5268	7070	3373	4070	3418	212	4770	6693	5463	5403	6125	7273
1958 Regional Surplus/Deficit	7571	5580	4648	6323	3551	1922	3333	4382	5572	3542	6056	5356	6202	6882
1959 Regional Surplus/Deficit	7556	6108	4641	6025	4484	4337	3744	4297	5517	6047	4829	4015	6051	7886
1960 Regional Surplus/Deficit	7887	7680	9924	10083	6246	4517	3606	2668	5436	7197	5930	5139	6203	7891
1961 Regional Surplus/Deficit	7895	5865	4626	6421	4011	2832	3350	4383	5988	6292	5357	5063	5670	7449
1962 Regional Surplus/Deficit	7628	6614	4564	6213	3545	1071	3254	-123	-177	6955	5998	5206	5977	7916
1963 Regional Surplus/Deficit	7869	7188	4638	7483	4725	4395	3534	3808	3977	3638	3303	5258	6199	7706
1964 Regional Surplus/Deficit	7833	7410	5612	5699	3712	2172	3369	2162	290	5448	4276	4195	6169	8091
1965 Regional Surplus/Deficit	8035	8145	7420	8116	3982	4578	3701	4459	5569	5794	5106	4127	6211	7512
1966 Regional Surplus/Deficit	7839	7927	5502	7390	4095	3969	3695	1460	1443	6909	4215	5070	5418	7908
1967 Regional Surplus/Deficit	7911	6990	4581	5896	3587	2869	3675	4400	3975	5861	3420	3583	6113	8038
1968 Regional Surplus/Deficit	7972	7825	5854	6927	3862	3866	3699	4583	5712	524	3246	4039	6116	7973
1969 Regional Surplus/Deficit	7827	8021	8201	8433	5291	4364	3758	4631	5907	6085	5232	4865	6140	7946
1970 Regional Surplus/Deficit	7963	6474	4729	6381	3837	2633	3612	4563	2275	1019	4296	4748	6267	6230
1971 Regional Surplus/Deficit	7320	5810	4700	6372	4076	2348	3757	4623	5787	5746	4723	4053	6138	8206
1972 Regional Surplus/Deficit	8167	8657	6470	6619	4122	4054	3742	4427	5754	5768	4674	3607	5773	7984
1973 Regional Surplus/Deficit	8001	8382	7557	6926	3744	4207	3800	-1892	131	444	-131	1173	4000	5961
1974 Regional Surplus/Deficit	6364	3638	4178	4837	2971	4444	3901	4640	5477	5288	4220	2764	5869	8036
1975 Regional Surplus/Deficit	8143	8607	7481	5551	3728	2872	3696	4335	5840	5449	4731	3961	6189	8135
1976 Regional Surplus/Deficit	7589	6776	5728	7890	5764	4741	3918	4574	5942	6177	4839	4212	6032	8047
1977 Regional Surplus/Deficit	8039	8577	10531	7188	3574	1903	2089	-2034	-368	254	-436	669	1720	3593
1978 Regional Surplus/Deficit	5772	2736	4006	4013	3034	2305	3482	2742	5733	5287	5168	4966	5847	7971
<b>-Ranked Averages-</b>														
Top Ten Percent	7847	7806	7307	8774	5450	4547	3759	4216	5803	6337	5267	4619	6099	7819
Middle Eighty Percent	7559	6492	5351	6418	3747	2960	3019	2277	3638	4332	4167	4104	5614	7361
Bottom Ten Percent	7102	5354	4325	5599	3546	1331	-2248	-2084	-243	1004	-337	505	3877	5601

<div> <div>Regional Surplus/Deficit by Water Year</div> <div>PNW Loads and Resources Study</div> <div>2011 - 2012 Operating Year</div> <div>[22] 2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7818	5667	4517	5107	3058	1059	1127	-2629	-147	1428	597	-780	5350	5979
1930 Regional Surplus/Deficit	6464	5132	4277	5241	3191	725	-3544	-843	-114	1773	26	-1457	4883	5934
1931 Regional Surplus/Deficit	6867	5368	4206	5141	3097	729	-3536	-2846	-987	3675	378	-230	3580	4568
1932 Regional Surplus/Deficit	6183	3295	3812	4760	2892	493	-3467	-2829	3532	7484	6477	4472	6753	7296
1933 Regional Surplus/Deficit	7698	7544	4484	5525	2525	2654	3268	3621	-123	4558	5017	3638	6663	7690
1934 Regional Surplus/Deficit	7824	8149	6363	7894	5293	3920	3504	3931	5514	7040	5850	3961	3894	6566
1935 Regional Surplus/Deficit	6133	3147	4208	4621	2426	1812	3142	3699	-760	4122	5810	4300	6470	7218
1936 Regional Surplus/Deficit	7496	5689	4412	5275	3091	749	-1665	-2531	682	1543	5578	5002	6501	6374
1937 Regional Surplus/Deficit	7644	5270	4508	5256	3157	738	-4115	-3016	-499	1488	305	-16	4500	5648
1938 Regional Surplus/Deficit	7226	4434	4339	5841	3043	1250	3342	1603	5247	6812	6104	4174	6785	7074
1939 Regional Surplus/Deficit	7046	4924	4689	5722	3074	954	2483	-2436	2000	4117	4574	4983	5097	6419
1940 Regional Surplus/Deficit	7610	5523	4472	5921	2974	1352	1455	-15	5490	5729	5367	3861	5555	5612
1941 Regional Surplus/Deficit	6760	4511	4358	5380	2735	2228	2311	-2313	237	1330	430	1072	4672	3602
1942 Regional Surplus/Deficit	5447	3752	3479	4809	2307	3633	3206	-1654	-665	2634	3495	3635	6770	7560
1943 Regional Surplus/Deficit	7665	7383	4491	5322	2810	2064	3133	3970	5441	7285	6272	4187	6763	7597
1944 Regional Surplus/Deficit	7766	7480	4588	5841	3205	947	1906	-2937	-646	1324	561	-1502	3003	3413
1945 Regional Surplus/Deficit	6015	2819	3407	3994	2888	664	-3470	-2595	-927	1377	530	4133	6778	6479
1946 Regional Surplus/Deficit	6932	6279	4443	5740	3206	1207	2926	3622	5444	7114	6007	4322	6816	7646
1947 Regional Surplus/Deficit	7842	7274	5246	5574	3188	3894	3345	4134	5444	5877	6064	4434	6749	7297
1948 Regional Surplus/Deficit	7707	6399	4566	9159	4775	3665	3435	2223	4900	6274	6286	4781	6051	7667
1949 Regional Surplus/Deficit	7806	8269	7261	6336	2971	2428	2734	1756	5491	6184	6383	4789	6622	5568
1950 Regional Surplus/Deficit	6758	3760	4564	5526	2813	375	3039	4044	5304	6814	5463	3096	6497	7544
1951 Regional Surplus/Deficit	7809	8176	5819	7808	5520	4157	3607	4412	5576	7019	5596	3627	6519	7599
1952 Regional Surplus/Deficit	7813	8071	6658	8630	3542	3769	3292	4062	5347	7013	6132	4574	6929	6801
1953 Regional Surplus/Deficit	7757	6301	4557	5166	3288	952	2227	4245	1861	1393	4328	4980	6813	7731
1954 Regional Surplus/Deficit	7846	7340	5348	6213	3327	3300	3216	4116	4846	6827	5600	3581	6425	7483
1955 Regional Surplus/Deficit	7879	8253	9968	7472	4201	3342	1417	-2405	-855	4417	1980	3300	6478	7535
1956 Regional Surplus/Deficit	7761	8220	4950	7302	4666	4044	3478	3864	5027	6535	5269	4075	6740	7747
1957 Regional Surplus/Deficit	7884	7866	5170	6564	2937	3480	3115	-128	4383	7597	6167	5065	6786	6873
1958 Regional Surplus/Deficit	7424	5439	4520	5819	3113	1348	3033	4017	5175	4468	6757	5018	6863	6485
1959 Regional Surplus/Deficit	7408	5966	4513	5524	4042	3743	3438	3927	5118	6951	5527	3677	6713	7476
1960 Regional Surplus/Deficit	7728	7530	9806	9561	5797	3923	3299	2322	5040	8101	6630	4805	6865	7487
1961 Regional Surplus/Deficit	7736	5724	4498	5917	3572	2251	3047	4012	5584	7202	6060	4724	6331	7048
1962 Regional Surplus/Deficit	7479	6469	4436	5709	3107	499	2952	-456	-557	7859	6695	4871	6644	7511
1963 Regional Surplus/Deficit	7710	7042	4510	6975	4282	3801	3230	3455	3587	4565	4018	4920	6862	7303
1964 Regional Surplus/Deficit	7674	7262	5511	5198	3273	1596	3067	1817	-89	6366	4985	3857	6830	7681
1965 Regional Surplus/Deficit	7876	7993	7312	7606	3544	3981	3394	4089	5160	6698	5803	3788	6872	7111
1966 Regional Surplus/Deficit	7680	7776	5403	6882	3657	3380	3392	1122	1065	7818	4925	4736	6087	7503
1967 Regional Surplus/Deficit	7752	6843	4453	5393	3149	2289	3368	4030	3591	6765	4132	3245	6774	7628
1968 Regional Surplus/Deficit	7813	7675	5751	6422	3424	3278	3396	4217	5316	1428	3959	3709	6777	7563
1969 Regional Surplus/Deficit	7668	7870	8091	7922	4846	3770	3452	4261	5498	6989	5929	4527	6802	7541
1970 Regional Surplus/Deficit	7804	6329	4601	5879	3398	2055	3308	4197	1900	1964	5006	4414	6928	5837
1971 Regional Surplus/Deficit	7174	5668	4572	5866	3635	1774	3451	4252	5378	6650	5421	3714	6800	7796
1972 Regional Surplus/Deficit	8008	8497	6366	6114	3684	3465	3436	4057	5345	6672	5371	3269	6434	7574
1973 Regional Surplus/Deficit	7842	8229	7447	6419	3306	3616	3494	-2262	-248	1348	566	851	4671	5565
1974 Regional Surplus/Deficit	6218	3503	4050	4335	2538	3849	3595	4270	5067	6192	4917	2426	6530	7626
1975 Regional Surplus/Deficit	7984	8452	7372	5050	3289	2293	3392	3973	5431	6366	5439	3623	6851	7725
1976 Regional Surplus/Deficit	7442	6633	5628	7381	5318	4144	3612	4204	5533	7081	5536	3873	6699	7636
1977 Regional Surplus/Deficit	7880	8417	10409	6680	3135	1330	1795	-2404	-777	1158	262	346	2396	3205
1978 Regional Surplus/Deficit	5626	2605	3878	3515	2598	1729	3178	2393	5324	6203	5875	4628	6514	7561
<b>-Ranked Averages-</b>														
Top Ten Percent	7692	7656	7200	8260	5005	3953	3453	3852	5399	7241	5965	4281	6763	7413
Middle Eighty Percent	7404	6347	5233	5913	3309	2378	2718	1915	3242	5245	4871	3769	6278	6957
Bottom Ten Percent	6951	5214	4197	5095	3108	761	-2552	-2447	-635	1927	360	185	4549	5209



Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2012 - 2013 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7394	5262	4124	4870	2706	591	618	-3129	-518	592	-247	-1259	4190	5551
1930 Regional Surplus/Deficit	6057	4731	3884	4996	2839	258	-4074	-1304	-483	977	-818	-1938	3723	5505
1931 Regional Surplus/Deficit	6458	4964	3813	4896	2745	261	-4065	-3347	-1395	2872	-466	-718	2422	4148
1932 Regional Surplus/Deficit	5775	2895	3420	4518	2541	21	-3996	-3330	3154	6655	5632	3958	5579	6861
1933 Regional Surplus/Deficit	7274	7131	4091	5285	2180	2170	2743	3121	-486	3750	4188	3124	5489	7246
1934 Regional Surplus/Deficit	7400	7731	6003	7643	4930	3420	2975	3431	5107	6204	5005	3447	2736	6133
1935 Regional Surplus/Deficit	5730	2760	3815	4382	2080	1334	2615	3198	-1167	3317	4977	3794	5302	6783
1936 Regional Surplus/Deficit	7072	5288	4019	5035	2741	282	-2151	-3032	314	753	4749	4488	5335	5946
1937 Regional Surplus/Deficit	7220	4869	4115	5013	2805	271	-4644	-3516	-868	697	-539	-508	3341	5225
1938 Regional Surplus/Deficit	6817	4041	3946	5596	2694	783	2813	1137	4840	5976	5260	3660	5614	6642
1939 Regional Surplus/Deficit	6639	4526	4336	5481	2722	486	1971	-2937	1631	3311	3748	4469	3935	5990
1940 Regional Surplus/Deficit	7186	5120	4080	5677	2626	880	950	-480	5092	4912	4538	3357	4390	5188
1941 Regional Surplus/Deficit	6353	4115	3965	5141	2389	1750	1795	-2814	-132	494	-414	580	3510	3185
1942 Regional Surplus/Deficit	5041	3353	3086	4569	1962	3136	2677	-2113	-1072	1840	2675	3133	5596	7116
1943 Regional Surplus/Deficit	7241	6970	4098	5082	2461	1588	2607	3475	5034	6449	5428	3674	5589	7153
1944 Regional Surplus/Deficit	7342	7068	4195	5599	2852	480	1391	-3438	-1053	488	-283	-1978	1847	2997
1945 Regional Surplus/Deficit	5609	2428	3015	3754	2536	195	-3999	-3064	-1301	541	-314	3629	5604	6051
1946 Regional Surplus/Deficit	6524	5873	4050	5495	2855	741	2406	3134	5037	6278	5163	3808	5642	7208
1947 Regional Surplus/Deficit	7418	6863	4891	5336	2838	3396	2816	3633	5037	5060	5220	3920	5578	6861
1948 Regional Surplus/Deficit	7283	5992	4202	8900	4415	3170	2905	1750	4513	5454	5442	4267	4877	7223
1949 Regional Surplus/Deficit	7382	7843	6893	6094	2621	1947	2213	1283	5084	5365	5539	4275	5452	5146
1950 Regional Surplus/Deficit	6353	3368	4171	5284	2465	-86	2516	3543	4896	5978	4619	2582	5323	7100
1951 Regional Surplus/Deficit	7397	7760	5459	7558	5157	3657	3078	3912	5169	6183	4752	3113	5353	7155
1952 Regional Surplus/Deficit	7389	7654	6294	8374	3191	3271	2762	3570	4950	6176	5288	4061	5757	6371
1953 Regional Surplus/Deficit	7333	5895	4164	4924	2935	485	1714	3745	1500	557	3504	4467	5639	7287
1954 Regional Surplus/Deficit	7422	6929	4991	5970	2976	2810	2690	3615	4457	5991	4755	3067	5250	7039
1955 Regional Surplus/Deficit	7455	7835	9586	7223	3845	2851	912	-2905	-1262	3612	1178	2799	5303	7091
1956 Regional Surplus/Deficit	7337	7801	4595	7055	4307	3544	2949	3363	4620	5699	4425	3561	5566	7303
1957 Regional Surplus/Deficit	7460	7452	4815	6321	2588	2989	2589	-590	4003	6761	5331	4551	5612	6440
1958 Regional Surplus/Deficit	7014	5036	4127	5577	2762	876	2512	3523	4783	3658	5918	4504	5689	6056
1959 Regional Surplus/Deficit	6998	5562	4121	5286	3687	3246	2908	3426	4711	6115	4683	3163	5539	7032
1960 Regional Surplus/Deficit	7304	7117	9426	9298	5432	3426	2770	1850	4650	7265	5788	4297	5691	7052
1961 Regional Surplus/Deficit	7312	5320	4106	5676	3219	1770	2521	3511	5183	6375	5224	4211	5157	6615
1962 Regional Surplus/Deficit	7068	6062	4043	5468	2754	31	2426	-910	-929	7023	5851	4362	5476	7074
1963 Regional Surplus/Deficit	7286	6632	4118	6729	3925	3304	2704	2975	3205	3758	3197	4407	5691	6867
1964 Regional Surplus/Deficit	7250	6851	5153	4960	2921	1122	2542	1348	-459	5547	4156	3343	5656	7237
1965 Regional Surplus/Deficit	7452	7577	6945	7356	3192	3481	2865	3588	4753	5861	4959	3275	5698	6678
1966 Regional Surplus/Deficit	7256	7362	5048	6637	3305	2889	2867	662	695	6988	4098	4227	4922	7065
1967 Regional Surplus/Deficit	7328	6432	4061	5153	2798	1810	2839	3529	3214	5929	3307	2732	5600	7183
1968 Regional Surplus/Deficit	7389	7261	5391	6178	3073	2789	2870	3721	4925	592	3135	3205	5603	7119
1969 Regional Surplus/Deficit	7244	7455	7721	7671	4486	3274	2923	3760	5091	6153	5085	4014	5628	7105
1970 Regional Surplus/Deficit	7380	5922	4208	5639	3044	1578	2781	3702	1536	1177	4177	3906	5754	5413
1971 Regional Surplus/Deficit	6765	5263	4179	5624	3280	1303	2921	3752	4970	5813	4577	3201	5625	7352
1972 Regional Surplus/Deficit	7584	8071	6003	5872	3332	2974	2906	3556	4938	5836	4527	2755	5260	7130
1973 Regional Surplus/Deficit	7418	7811	7078	6175	2955	3123	2964	-2763	-619	512	-278	358	3509	5138
1974 Regional Surplus/Deficit	5810	3107	3658	4096	2191	3351	3065	3769	4660	5355	4073	1913	5356	7182
1975 Regional Surplus/Deficit	7560	8033	7003	4812	2936	1815	2865	3482	5024	5546	4609	3110	5676	7281
1976 Regional Surplus/Deficit	7033	6227	5271	7133	4956	3644	3082	3703	5125	6245	4692	3360	5530	7192
1977 Regional Surplus/Deficit	7456	7991	10024	6434	2782	860	1280	-2905	-1184	322	-582	-146	1242	2787
1978 Regional Surplus/Deficit	5217	2215	3485	3280	2250	1254	2653	1918	4917	5384	5042	4114	5348	7117
<b>-Ranked Averages-</b>														
Top Ten Percent	7273	7243	6834	8007	4644	3454	2923	3359	4997	6404	5121	3769	5592	6975
Middle Eighty Percent	6986	5939	4852	5671	2957	1897	2195	1425	2850	4420	4035	3259	5108	6521
Bottom Ten Percent	6537	4812	3804	4852	2755	293	-3078	-2934	-1020	1115	-484	-302	3387	4785

Regional Surplus/Deficit by Water Year PNW Loads and Resources Study 2013 - 2014 Operating Year [22] 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6955	4845	3737	4493	2022	-113	175	-3553	-921	620	-225	-1106	4486	5465
1930 Regional Surplus/Deficit	5632	4316	3497	4613	2155	-445	-4533	-1697	-886	1038	-796	-1787	4018	5418
1931 Regional Surplus/Deficit	6030	4548	3426	4514	2061	-443	-4525	-3771	-1801	2927	-444	-573	2721	4068
1932 Regional Surplus/Deficit	5348	2482	3033	4137	1858	-685	-4456	-3754	2745	6688	5654	4084	5864	6769
1933 Regional Surplus/Deficit	6835	6708	3704	4905	1502	1454	2287	2697	-883	3800	4222	3251	5775	7147
1934 Regional Surplus/Deficit	6961	7303	5642	7254	4238	2691	2515	3007	4674	6232	5027	3574	3033	6043
1935 Regional Surplus/Deficit	5308	2357	3428	4003	1401	623	2157	2774	-1600	3370	5008	3927	5592	6691
1936 Regional Surplus/Deficit	6633	4874	3632	4654	2058	-421	-2576	-3455	-87	819	4783	4615	5628	5860
1937 Regional Surplus/Deficit	6780	4455	3728	4631	2122	-433	-5104	-3940	-1271	761	-517	-365	3639	5142
1938 Regional Surplus/Deficit	6389	3634	3559	5212	2013	80	2353	741	4407	6004	5282	3787	5903	6552
1939 Regional Surplus/Deficit	6213	4114	3980	5100	2038	-217	1525	-3361	1229	3363	3783	4596	4230	5904
1940 Regional Surplus/Deficit	6746	4705	3692	5294	1945	173	510	-875	4667	4955	4571	3490	4682	5106
1941 Regional Surplus/Deficit	5928	3705	3578	4762	1709	1039	1347	-3238	-535	522	-392	722	3805	3108
1942 Regional Surplus/Deficit	4617	2942	2699	4190	1285	2409	2217	-2503	-1505	1902	2716	3268	5882	7016
1943 Regional Surplus/Deficit	6802	6547	3711	4702	1780	879	2149	3056	4601	6477	5449	3800	5875	7054
1944 Regional Surplus/Deficit	6902	6645	3808	5218	2167	-223	943	-3862	-1486	516	-261	-1823	2147	2921
1945 Regional Surplus/Deficit	5183	2023	2628	3374	1853	-509	-4459	-3462	-1707	569	-293	3764	5889	5965
1946 Regional Surplus/Deficit	6098	5455	3663	5111	2172	38	1954	2720	4604	6306	5185	3935	5928	7114
1947 Regional Surplus/Deficit	6978	6441	4534	4958	2155	2668	2357	3209	4604	5103	5242	4046	5867	6769
1948 Regional Surplus/Deficit	6844	5573	3847	8505	3726	2445	2446	1349	4095	5496	5463	4394	5163	7124
1949 Regional Surplus/Deficit	6942	7409	6526	5712	1940	1233	1760	881	4651	5406	5560	4402	5741	5065
1950 Regional Surplus/Deficit	5928	2962	3784	4903	1784	-783	2061	3119	4463	6006	4641	2709	5609	7001
1951 Regional Surplus/Deficit	6967	7333	5098	7170	4464	2927	2618	3488	4736	6211	4774	3240	5646	7056
1952 Regional Surplus/Deficit	6950	7227	5930	7982	2507	2544	2303	3152	4526	6205	5310	4187	6045	6282
1953 Regional Surplus/Deficit	6893	5477	3777	4544	2251	-219	1268	3321	1105	585	3541	4593	5925	7187
1954 Regional Surplus/Deficit	6982	6506	4632	5588	2293	2089	2233	3191	4039	6019	4777	3194	5536	6939
1955 Regional Surplus/Deficit	7015	7407	9208	6837	3158	2129	472	-3329	-1695	3664	1232	2935	5589	6992
1956 Regional Surplus/Deficit	6897	7373	4237	6669	3617	2814	2489	2939	4187	5727	4447	3688	5852	7204
1957 Regional Surplus/Deficit	7020	7027	4457	5938	1906	2266	2133	-984	3591	6789	5359	4678	5898	6351
1958 Regional Surplus/Deficit	6586	4621	3740	5196	2078	169	2058	3105	4362	3708	5943	4631	5975	5969
1959 Regional Surplus/Deficit	6570	5145	3733	4908	3000	2519	2449	3002	4278	6143	4704	3290	5825	6933
1960 Regional Surplus/Deficit	6865	6693	9048	8900	4738	2700	2311	1449	4230	7293	5811	4428	5977	6959
1961 Regional Surplus/Deficit	6872	4903	3718	5295	2534	1056	2064	3087	4755	6409	5251	4337	5443	6525
1962 Regional Surplus/Deficit	6639	5642	3656	5088	2070	-674	1970	-1298	-1333	7051	5873	4492	5768	6980
1963 Regional Surplus/Deficit	6847	6210	3730	6345	3238	2577	2247	2567	2791	3810	3236	4533	5979	6775
1964 Regional Surplus/Deficit	6811	6428	4792	4582	2236	413	2087	949	-862	5588	4190	3470	5942	7137
1965 Regional Surplus/Deficit	7013	7151	6577	6969	2508	2752	2406	3164	4320	5890	4981	3401	5984	6588
1966 Regional Surplus/Deficit	6816	6937	4690	6252	2621	2166	2410	270	293	7020	4132	4358	5214	6971
1967 Regional Surplus/Deficit	6888	6011	3673	4774	2114	1098	2380	3105	2805	5957	3343	2858	5886	7084
1968 Regional Surplus/Deficit	6950	6837	5029	5796	2390	2068	2413	3301	4505	620	3173	3339	5889	7020
1969 Regional Surplus/Deficit	6804	7030	7352	7283	3796	2547	2463	3336	4658	6181	5107	4140	5914	7006
1970 Regional Surplus/Deficit	6940	5503	3821	5260	2360	867	2323	3283	1137	1245	4211	4037	6040	5331
1971 Regional Surplus/Deficit	6338	4847	3792	5242	2594	596	2462	3328	4537	5842	4598	3327	5911	7252
1972 Regional Surplus/Deficit	7144	7637	5639	5491	2648	2252	2447	3132	4505	5864	4549	2882	5546	7031
1973 Regional Surplus/Deficit	6978	7383	6708	5792	2272	2400	2505	-3187	-1022	540	-256	500	3805	5052
1974 Regional Surplus/Deficit	5384	2697	3270	3717	1512	2624	2606	3345	4227	5384	4095	2039	5642	7082
1975 Regional Surplus/Deficit	7120	7603	6634	4434	2252	1103	2408	3066	4591	5587	4642	3236	5962	7182
1976 Regional Surplus/Deficit	6605	5809	4912	6747	4264	2915	2623	3279	4692	6273	4714	3486	5821	7093
1977 Regional Surplus/Deficit	7016	7557	9642	6050	2098	155	831	-3329	-1617	350	-561	-3.5	1542	2710
1978 Regional Surplus/Deficit	4790	1809	3098	2905	1568	546	2196	1515	4484	5424	5072	4241	5640	7018
-Ranked Averages-														
Top Ten Percent	6838	6819	6468	7617	3954	2727	2464	2941	4568	6433	5143	3896	5880	6879
Middle Eighty Percent	6551	5519	4475	5289	2274	1182	1741	1009	2430	4457	4063	3389	5396	6428
Bottom Ten Percent	6105	4397	3417	4470	2072	-410	-3536	-3346	-1430	1162	-462	-157	3683	4703

Section 13  
Monthly OY 2005 – 2014  
Capacity in Megawatts

Table Number

Total Retail Loads	A-1
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<div> <div>Table A-1: Pacific Northwest Total Retail Loads</div> <div>PNW Loads and Resources Study</div> <div>2004 - 2005 Operating Year</div> <div>2003 White Book</div> <div>3/31/2004</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	220	220	175	180	202	213	201	217	204	187	187	185	190	172
2 Total Federal Entities	220	220	175	180	202	213	201	217	204	187	187	185	190	172
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	302	301	299	296	294	291	288	287	287	290	290	290	290	290
6 Total Direct Service Industry	302	301	299	296	294	291	288	287	287	290	290	290	290	290
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5503	5503	5586	6492	7280	7888	8083	7774	7261	6641	6639	6169	5610	5613
8 Total Generating Public Entities	5503	5503	5586	6492	7280	7888	8083	7774	7261	6641	6639	6169	5610	5613
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	4849	4849	4674	4811	5235	5801	5926	5674	5354	5110	5110	5123	4964	4910
10 Total Non-Generating Public Entities	4849	4849	4674	4811	5235	5801	5926	5674	5354	5110	5110	5123	4964	4910
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	13963	13963	12697	12877	14803	16216	16758	15928	14412	13216	13216	13006	13836	14571
12 Total Investor-Owned Entities	13963	13963	12697	12877	14803	16216	16758	15928	14412	13216	13216	13006	13836	14571
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	478	444	309	308	202	213	201	217	244	447	510	434	440	442
16 Direct Service Industry	302	301	299	296	294	291	288	287	287	290	290	290	290	290
17 Public Entities	10352	10352	10260	11302	12515	13689	14010	13447	12615	11751	11749	11292	10574	10523
18 Investor-Owned Entities	13963	13963	12697	12877	14803	16216	16758	15928	14412	13216	13216	13006	13836	14571
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	25277	25242	23748	24966	27997	30592	31440	30062	27741	25887	25948	25205	25324	26009
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	156	156	129	96	159	108	176	126	173	134	134	119	160	147
22 Total Investor-Owned Entities	156	156	129	96	159	108	176	126	173	134	134	119	160	147
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	156	156	129	96	159	108	176	126	173	134	134	119	160	147
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	156	156	129	96	159	108	176	126	173	134	134	119	160	147
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	478	444	309	308	202	213	201	217	244	447	510	434	440	442
30 Direct Service Industry	302	301	299	296	294	291	288	287	287	290	290	290	290	290
31 Public Entities	10352	10352	10260	11302	12515	13689	14010	13447	12615	11751	11749	11292	10574	10523
32 Investor-Owned Entities	14119	14119	12826	12973	14962	16325	16934	16053	14585	13350	13350	13124	13996	14718
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	25433	25398	23877	25062	28156	30701	31616	30187	27914	26021	26082	25324	25483	26156

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2005 - 2006 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	219	219	176	181	202	213	202	217	204	187	187	186	190	172
2 Total Federal Entities	219	219	176	181	202	213	202	217	204	187	187	186	190	172
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	290	290	290	297	297	297	297	297	297	297	297	297	297	297
6 Total Direct Service Industry	290	290	290	297	297	297	297	297	297	297	297	297	297	297
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5584	5584	5664	6578	7371	7981	8220	7907	7386	6756	6753	6269	5702	5705
8 Total Generating Public Entities	5584	5584	5664	6578	7371	7981	8220	7907	7386	6756	6753	6269	5702	5705
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	4908	4908	4730	4881	5309	5885	6040	5750	5466	5182	5182	5183	5035	4965
10 Total Non-Generating Public Entities	4908	4908	4730	4881	5309	5885	6040	5750	5466	5182	5182	5183	5035	4965
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	14342	14342	12955	13250	15064	16478	16861	16031	14562	13400	13400	13259	13969	14827
12 Total Investor-Owned Entities	14342	14342	12955	13250	15064	16478	16861	16031	14562	13400	13400	13259	13969	14827
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	477	443	310	309	202	213	202	217	244	447	510	435	440	443
16 Direct Service Industry	290	290	290	297	297	297	297	297	297	297	297	297	297	297
17 Public Entities	10492	10492	10394	11458	12681	13866	14260	13657	12852	11938	11935	11453	10737	10670
18 Investor-Owned Entities	14342	14342	12955	13250	15064	16478	16861	16031	14562	13400	13400	13259	13969	14827
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	25784	25750	24132	25497	28427	31037	31803	30384	28139	26265	26325	25627	25626	26419
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	133	133	129	129	154	70	136	139	173	145	145	115	161	146
22 Total Investor-Owned Entities	133	133	129	129	154	70	136	139	173	145	145	115	161	146
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	133	133	129	129	154	70	136	139	173	145	145	115	161	146
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	133	133	129	129	154	70	136	139	173	145	145	115	161	146
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	477	443	310	309	202	213	202	217	244	447	510	435	440	443
30 Direct Service Industry	290	290	290	297	297	297	297	297	297	297	297	297	297	297
31 Public Entities	10492	10492	10394	11458	12681	13866	14260	13657	12852	11938	11935	11453	10737	10670
32 Investor-Owned Entities	14475	14475	13084	13379	15218	16548	16998	16169	14736	13545	13545	13374	14129	14974
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	25917	25883	24261	25626	28581	31107	31939	30523	28312	26410	26471	25741	25786	26566

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2006 - 2007 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	218	218	176	181	202	214	203	217	205	188	188	186	190	173
2 Total Federal Entities	218	218	176	181	202	214	203	217	205	188	188	186	190	173
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	297	297	297	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	297	297	297	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5673	5673	5755	6692	7499	8118	8354	8037	7509	6868	6866	6374	5798	5801
8 Total Generating Public Entities	5673	5673	5755	6692	7499	8118	8354	8037	7509	6868	6866	6374	5798	5801
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	4978	4978	4795	4953	5388	5959	6133	5840	5551	5262	5262	5258	5105	5037
10 Total Non-Generating Public Entities	4978	4978	4795	4953	5388	5959	6133	5840	5551	5262	5262	5258	5105	5037
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	14596	14596	13163	13421	15236	16715	17092	16227	14753	13594	13594	13465	14178	15062
12 Total Investor-Owned Entities	14596	14596	13163	13421	15236	16715	17092	16227	14753	13594	13594	13465	14178	15062
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	476	442	311	309	202	214	203	217	245	448	511	435	440	443
16 Direct Service Industry	297	297	297	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	10651	10651	10550	11645	12887	14077	14487	13877	13060	12130	12128	11632	10903	10838
18 Investor-Owned Entities	14596	14596	13163	13421	15236	16715	17092	16227	14753	13594	13594	13465	14178	15062
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	26204	26170	24504	26232	29182	31864	32638	31178	28914	27029	27089	26390	26378	27201
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	134	134	127	117	152	70	179	166	178	145	145	115	170	147
22 Total Investor-Owned Entities	134	134	127	117	152	70	179	166	178	145	145	115	170	147
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	134	134	127	117	152	70	179	166	178	145	145	115	170	147
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	134	134	127	117	152	70	179	166	178	145	145	115	170	147
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	476	442	311	309	202	214	203	217	245	448	511	435	440	443
30 Direct Service Industry	297	297	297	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	10651	10651	10550	11645	12887	14077	14487	13877	13060	12130	12128	11632	10903	10838
32 Investor-Owned Entities	14731	14731	13290	13538	15388	16785	17270	16393	14931	13739	13739	13580	14348	15209
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	26338	26304	24631	26349	29335	31933	32817	31344	29092	27174	27235	26505	26548	27348

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2007 - 2008 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	218	218	177	182	203	215	204	217	205	188	188	187	190	174
2 Total Federal Entities	218	218	177	182	203	215	204	217	205	188	188	187	190	174
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5773	5773	5858	6802	7623	8250	8473	8150	7617	6966	6963	6463	5878	5881
8 Total Generating Public Entities	5773	5773	5858	6802	7623	8250	8473	8150	7617	6966	6963	6463	5878	5881
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5050	5050	4867	5017	5456	6037	6211	5917	5622	5331	5331	5329	5174	5102
10 Total Non-Generating Public Entities	5050	5050	4867	5017	5456	6037	6211	5917	5622	5331	5331	5329	5174	5102
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	14822	14822	13352	13577	15415	16915	17369	16523	15024	13820	13820	13632	14472	15296
12 Total Investor-Owned Entities	14822	14822	13352	13577	15415	16915	17369	16523	15024	13820	13820	13632	14472	15296
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	476	442	311	310	203	215	204	217	245	448	511	436	440	444
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	10823	10823	10725	11820	13079	14288	14683	14066	13239	12296	12294	11791	11052	10983
18 Investor-Owned Entities	14822	14822	13352	13577	15415	16915	17369	16523	15024	13820	13820	13632	14472	15296
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	26978	26944	25245	26564	29554	32274	33112	31663	29365	27422	27482	26717	26822	27580
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	135	135	128	102	154	70	180	149	168	139	139	141	169	149
22 Total Investor-Owned Entities	135	135	128	102	154	70	180	149	168	139	139	141	169	149
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	135	135	128	102	154	70	180	149	168	139	139	141	169	149
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	135	135	128	102	154	70	180	149	168	139	139	141	169	149
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	476	442	311	310	203	215	204	217	245	448	511	436	440	444
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	10823	10823	10725	11820	13079	14288	14683	14066	13239	12296	12294	11791	11052	10983
32 Investor-Owned Entities	14957	14957	13480	13680	15570	16985	17549	16672	15192	13959	13959	13774	14642	15445
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	27112	27078	25373	26666	29709	32344	33293	31812	29533	27561	27622	26858	26991	27729

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2008 - 2009 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	217	217	178	183	203	215	205	217	206	189	189	187	190	175
2 Total Federal Entities	217	217	178	183	203	215	205	217	206	189	189	187	190	175
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5843	5843	5928	6887	7719	8352	8585	8262	7719	7058	7056	6548	5954	5957
8 Total Generating Public Entities	5843	5843	5928	6887	7719	8352	8585	8262	7719	7058	7056	6548	5954	5957
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5115	5115	4933	5082	5525	6114	6258	5994	5697	5403	5403	5398	5241	5169
10 Total Non-Generating Public Entities	5115	5115	4933	5082	5525	6114	6258	5994	5697	5403	5403	5398	5241	5169
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	15066	15066	13562	13812	15710	17187	17613	16725	15231	14009	14009	13812	14746	15563
12 Total Investor-Owned Entities	15066	15066	13562	13812	15710	17187	17613	16725	15231	14009	14009	13812	14746	15563
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	475	441	312	311	203	215	205	217	245	449	512	436	440	445
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	10958	10958	10862	11969	13244	14467	14843	14256	13416	12461	12459	11946	11195	11127
18 Investor-Owned Entities	15066	15066	13562	13812	15710	17187	17613	16725	15231	14009	14009	13812	14746	15563
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	27356	27322	25593	26948	30013	32726	33518	32055	29749	27776	27837	27051	27238	27991
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	164	164	127	96	158	109	178	125	175	97	97	119	159	140
22 Total Investor-Owned Entities	164	164	127	96	158	109	178	125	175	97	97	119	159	140
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	164	164	127	96	158	109	178	125	175	97	97	119	159	140
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	164	164	127	96	158	109	178	125	175	97	97	119	159	140
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	475	441	312	311	203	215	205	217	245	449	512	436	440	445
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	10958	10958	10862	11969	13244	14467	14843	14256	13416	12461	12459	11946	11195	11127
32 Investor-Owned Entities	15230	15230	13690	13908	15868	17296	17791	16850	15406	14106	14106	13930	14905	15703
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	27521	27487	25720	27044	30171	32834	33696	32180	29924	27873	27934	27170	27397	28132



Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2009 - 2010 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	217	217	179	183	203	216	206	217	206	189	189	188	191	176
2 Total Federal Entities	217	217	179	183	203	216	206	217	206	189	189	188	191	176
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5917	5917	6005	6978	7821	8463	8680	8354	7805	7135	7133	6617	6017	6019
8 Total Generating Public Entities	5917	5917	6005	6978	7821	8463	8680	8354	7805	7135	7133	6617	6017	6019
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5183	5183	4999	5148	5597	6211	6346	6079	5778	5480	5480	5476	5316	5258
10 Total Non-Generating Public Entities	5183	5183	4999	5148	5597	6211	6346	6079	5778	5480	5480	5476	5316	5258
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	15322	15322	13790	14018	15955	17462	17883	16960	15463	14215	14215	14050	15012	15847
12 Total Investor-Owned Entities	15322	15322	13790	14018	15955	17462	17883	16960	15463	14215	14215	14050	15012	15847
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	475	441	313	311	203	216	206	217	246	449	512	437	441	446
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	11100	11100	11005	12126	13419	14674	15026	14433	13582	12616	12613	12092	11333	11277
18 Investor-Owned Entities	15322	15322	13790	14018	15955	17462	17883	16960	15463	14215	14215	14050	15012	15847
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	27754	27720	25965	27312	30434	33208	33972	32467	30148	28137	28198	27436	27643	28427
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	136	136	128	102	149	76	178	126	173	131	131	119	158	143
22 Total Investor-Owned Entities	136	136	128	102	149	76	178	126	173	131	131	119	158	143
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	136	136	128	102	149	76	178	126	173	131	131	119	158	143
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	136	136	128	102	149	76	178	126	173	131	131	119	158	143
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	475	441	313	311	203	216	206	217	246	449	512	437	441	446
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	11100	11100	11005	12126	13419	14674	15026	14433	13582	12616	12613	12092	11333	11277
32 Investor-Owned Entities	15459	15459	13919	14120	16105	17538	18061	17086	15636	14346	14346	14168	15170	15990
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	27891	27857	26093	27414	30583	33284	34149	32593	30322	28268	28329	27555	27801	28569

<div> <div>Table A-1: Pacific Northwest Total Retail Loads</div> <div>PNW Loads and Resources Study</div> <div>2010 - 2011 Operating Year</div> <div>2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	216	216	180	184	203	216	206	217	206	190	190	189	191	176
2 Total Federal Entities	216	216	180	184	203	216	206	217	206	190	190	189	191	176
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	5981	5981	6071	7057	7911	8560	8777	8447	7891	7213	7210	6687	6079	6081
8 Total Generating Public Entities	5981	5981	6071	7057	7911	8560	8777	8447	7891	7213	7210	6687	6079	6081
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5256	5256	5072	5222	5675	6297	6426	6156	5814	5551	5551	5556	5384	5326
10 Total Non-Generating Public Entities	5256	5256	5072	5222	5675	6297	6426	6156	5814	5551	5551	5556	5384	5326
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	15608	15608	14028	14244	16218	17745	18132	17170	15674	14402	14402	14271	15274	16127
12 Total Investor-Owned Entities	15608	15608	14028	14244	16218	17745	18132	17170	15674	14402	14402	14271	15274	16127
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	474	440	314	312	203	216	206	217	246	450	513	438	441	447
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	11237	11237	11144	12278	13586	14857	15203	14603	13705	12763	12761	12244	11463	11407
18 Investor-Owned Entities	15608	15608	14028	14244	16218	17745	18132	17170	15674	14402	14402	14271	15274	16127
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	28177	28143	26343	27691	30864	33675	34399	32847	30482	28472	28533	27809	28034	28837
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	147	147	128	97	155	73	176	126	173	146	146	119	160	144
22 Total Investor-Owned Entities	147	147	128	97	155	73	176	126	173	146	146	119	160	144
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	147	147	128	97	155	73	176	126	173	146	146	119	160	144
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	147	147	128	97	155	73	176	126	173	146	146	119	160	144
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	474	440	314	312	203	216	206	217	246	450	513	438	441	447
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	11237	11237	11144	12278	13586	14857	15203	14603	13705	12763	12761	12244	11463	11407
32 Investor-Owned Entities	15755	15755	14156	14341	16373	17817	18308	17296	15847	14549	14549	14390	15433	16271
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	28324	28290	26471	27788	31019	33747	34575	32973	30655	28619	28679	27928	28194	28981

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2011 - 2012 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	216	216	180	184	204	217	207	217	206	190	190	189	191	177
2 Total Federal Entities	216	216	180	184	204	217	207	217	206	190	190	189	191	177
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	6043	6043	6135	7281	8069	8819	8846	8587	7948	7250	7248	6787	6196	6206
8 Total Generating Public Entities	6043	6043	6135	7281	8069	8819	8846	8587	7948	7250	7248	6787	6196	6206
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5322	5322	5136	5308	5727	6370	6411	6147	5816	5493	5493	5505	5397	5354
10 Total Non-Generating Public Entities	5322	5322	5136	5308	5727	6370	6411	6147	5816	5493	5493	5505	5397	5354
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	15878	15878	14251	14442	16471	18012	18377	17388	15940	14630	14630	14566	15428	16402
12 Total Investor-Owned Entities	15878	15878	14251	14442	16471	18012	18377	17388	15940	14630	14630	14566	15428	16402
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	474	440	314	312	204	217	207	217	246	450	513	438	441	447
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	11365	11365	11271	12589	13796	15189	15257	14733	13764	12743	12741	12292	11594	11560
18 Investor-Owned Entities	15878	15878	14251	14442	16471	18012	18377	17388	15940	14630	14630	14566	15428	16402
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	28573	28539	26693	28200	31328	34274	34698	33196	30808	28681	28741	28154	28319	29266
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	133	133	129	129	154	70	174	149	158	133	133	142	173	150
22 Total Investor-Owned Entities	133	133	129	129	154	70	174	149	158	133	133	142	173	150
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	133	133	129	129	154	70	174	149	158	133	133	142	173	150
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	133	133	129	129	154	70	174	149	158	133	133	142	173	150
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	474	440	314	312	204	217	207	217	246	450	513	438	441	447
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	11365	11365	11271	12589	13796	15189	15257	14733	13764	12743	12741	12292	11594	11560
32 Investor-Owned Entities	16011	16011	14380	14570	16626	18081	18551	17538	16098	14764	14764	14709	15601	16552
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	28706	28672	26822	28328	31483	34344	34872	33345	30965	28814	28875	28296	28492	29416

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2012 - 2013 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	215	215	181	185	204	217	208	217	207	191	191	190	191	178
2 Total Federal Entities	215	215	181	185	204	217	208	217	207	191	191	190	191	178
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	6181	6181	6280	7373	8173	8934	8960	8742	8050	7341	7339	6869	6271	6280
8 Total Generating Public Entities	6181	6181	6280	7373	8173	8934	8960	8742	8050	7341	7339	6869	6271	6280
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5356	5356	5167	5348	5771	6406	6496	6227	5891	5565	5565	5576	5467	5423
10 Total Non-Generating Public Entities	5356	5356	5167	5348	5771	6406	6496	6227	5891	5565	5565	5576	5467	5423
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	16151	16151	14498	14627	16677	18304	18690	17659	16185	14885	14885	14820	15704	16721
12 Total Investor-Owned Entities	16151	16151	14498	14627	16677	18304	18690	17659	16185	14885	14885	14820	15704	16721
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	183
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	473	439	315	313	204	217	208	217	247	451	514	439	441	448
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	11537	11537	11448	12722	13944	15340	15456	14969	13940	12906	12904	12445	11738	11702
18 Investor-Owned Entities	16151	16151	14498	14627	16677	18304	18690	17659	16185	14885	14885	14820	15704	16721
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
20 Total Regional Firm Loads	29018	28984	27117	28518	31682	34718	35212	33703	31229	29099	29160	28561	28740	29728
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	136	136	127	95	159	107	179	139	178	145	145	115	168	150
22 Total Investor-Owned Entities	136	136	127	95	159	107	179	139	178	145	145	115	168	150
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	136	136	127	95	159	107	179	139	178	145	145	115	168	150
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	136	136	127	95	159	107	179	139	178	145	145	115	168	150
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	473	439	315	313	204	217	208	217	247	451	514	439	441	448
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	11537	11537	11448	12722	13944	15340	15456	14969	13940	12906	12904	12445	11738	11702
32 Investor-Owned Entities	16287	16287	14625	14722	16836	18411	18869	17798	16363	15030	15030	14934	15872	16871
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	183
34 Total Regional Medium Loads	29153	29119	27245	28613	31840	34825	35391	33841	31407	29244	29305	28675	28908	29878

Table A-1: Pacific Northwest Total Retail Loads PNW Loads and Resources Study 2013 - 2014 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Firm Loads</b>														
<b>-Federal Entities-</b>														
1 Federal Entities	214	214	182	186	204	218	209	217	207	191	191	190	191	179
2 Total Federal Entities	214	214	182	186	204	218	209	217	207	191	191	190	191	179
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
6 Total Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	6255	6255	6357	7470	8280	9054	9068	8820	8144	7427	7425	6945	6339	6346
8 Total Generating Public Entities	6255	6255	6357	7470	8280	9054	9068	8820	8144	7427	7425	6945	6339	6346
<b>-Non-Generating Public Entities-</b>														
9 Non-Generating Public Entities	5422	5422	5236	5416	5845	6490	6537	6304	5965	5634	5634	5644	5532	5490
10 Total Non-Generating Public Entities	5422	5422	5236	5416	5845	6490	6537	6304	5965	5634	5634	5644	5532	5490
<b>-Investor-Owned Entities-</b>														
11 Investor-Owned Entities	16467	16467	14756	14861	16965	18600	19006	17936	16458	15144	15144	15065	16106	17048
12 Total Investor-Owned Entities	16467	16467	14756	14861	16965	18600	19006	17936	16458	15144	15144	15065	16106	17048
<b>-Other Firm Loads-</b>														
13 Other PNW Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	0
14 Total Other Firm Loads	183	183	183	183	183	183	183	183	183	183	183	183	183	0
<b>- Total Regional Firm Loads-</b>														
15 Federal Entities	473	439	316	313	204	218	209	217	247	451	514	439	441	449
16 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
17 Public Entities	11677	11677	11592	12887	14125	15544	15605	15124	14109	13061	13058	12589	11871	11836
18 Investor-Owned Entities	16467	16467	14756	14861	16965	18600	19006	17936	16458	15144	15144	15065	16106	17048
19 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	0
20 Total Regional Firm Loads	29474	29440	27521	28919	32151	35218	35676	34134	31672	29513	29574	28950	29275	30007
<b>Non-Firm Loads</b>														
<b>-Investor-Owned Entities-</b>														
21 Investor-Owned Entities	135	135	127	94	158	107	179	138	178	145	145	114	167	25
22 Total Investor-Owned Entities	135	135	127	94	158	107	179	138	178	145	145	114	167	25
<b>- Total Regional Non-Firm Loads-</b>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	135	135	127	94	158	107	179	138	178	145	145	114	167	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	135	135	127	94	158	107	179	138	178	145	145	114	167	25
<b>- Total Regional Medium Loads-</b>														
29 Federal Entities	473	439	316	313	204	218	209	217	247	451	514	439	441	449
30 Direct Service Industry	674	674	674	674	674	674	674	674	674	674	674	674	674	674
31 Public Entities	11677	11677	11592	12887	14125	15544	15605	15124	14109	13061	13058	12589	11871	11836
32 Investor-Owned Entities	16602	16602	14883	14956	17123	18706	19184	18074	16636	15289	15289	15180	16273	17074
33 Other Entities	183	183	183	183	183	183	183	183	183	183	183	183	183	0
34 Total Regional Medium Loads	29609	29575	27648	29013	32309	35325	35855	34273	31849	29658	29719	29065	29443	30032

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	96	96	88	94	118	139	136	131	120	111	111	93	99	109
<b>3 Total Exports to ECD</b>	<b>105</b>	<b>105</b>	<b>97</b>	<b>103</b>	<b>127</b>	<b>148</b>	<b>145</b>	<b>140</b>	<b>129</b>	<b>120</b>	<b>120</b>	<b>102</b>	<b>108</b>	<b>118</b>
<b>-Exports to Pacific Southwest-</b>														
4 BPA to ANHM PwrX	20	20	20	0	0	0	0	0	0	0	0	0	0	0
5 BPA to BART PwrS	80	80	80	80	80	80	80	80	80	80	80	80	80	80
6 BPA to BURB C/N/X	18	18	18	18	9	9	9	9	9	9	9	18	18	18
7 BPA to GLEN C/N/X	20	20	20	20	10	10	10	10	10	10	10	20	20	20
8 BPA to MSR PwrS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
9 BPA to Other Entities	200	200	200	175	175	175	175	175	175	175	175	175	175	175
10 BPA to PASA C/N/X	12	12	12	12	6	6	6	6	6	6	6	12	12	12
11 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
12 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
13 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
14 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
15 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
16 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
17 IPC to CLTN PwrS	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0	0
18 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
19 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
20 PPL to CDWR PwrS	100	100	100	100	100	100	0	0	0	0	0	0	0	0
21 PPL to SCE PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
22 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
23 PSE to PGS S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
24 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
25 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
26 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33
27 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
28 BPA NW-SW Intertie Losses	18	18	18	16	14	14	14	14	14	14	14	17	17	17
<b>29 Total Exports To PSW</b>	<b>1501</b>	<b>1501</b>	<b>1501</b>	<b>1068</b>	<b>959</b>	<b>959</b>	<b>859</b>	<b>859</b>	<b>859</b>	<b>859</b>	<b>859</b>	<b>954</b>	<b>1348</b>	<b>1348</b>
<b>-Exports to Inland Southwest-</b>														
30 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
31 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
32 PPL to WAPA PwrS	123	123	123	123	123	123	75	75	75	75	75	75	75	75
<b>33 Total Exports To ISW</b>	<b>243</b>	<b>243</b>	<b>243</b>	<b>213</b>	<b>213</b>	<b>213</b>	<b>165</b>	<b>165</b>	<b>165</b>	<b>195</b>	<b>195</b>	<b>195</b>	<b>195</b>	<b>195</b>
<b>-Exports to Canada-</b>														
34 BPA to BCHP CanEnt	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176	1176
<b>35 Total Exports To Canada</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>	<b>1176</b>
<b>-Exports to Other Entities-</b>														
<b>36 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
37 Federal Entities	1964	1964	1955	1869	1814	1835	1832	1827	1817	1837	1837	1914	1920	1930
38 Public Entities	151	151	151	110	81	81	81	81	81	81	81	81	148	148
39 Investor-Owned Entities	866	866	866	536	536	536	388	388	388	388	388	388	715	715
40 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>41 Total Exports.</b>	<b>3025</b>	<b>3025</b>	<b>3017</b>	<b>2560</b>	<b>2476</b>	<b>2497</b>	<b>2346</b>	<b>2340</b>	<b>2330</b>	<b>2351</b>	<b>2351</b>	<b>2428</b>	<b>2828</b>	<b>2838</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	100	100	91	98	122	144	141	136	125	115	115	97	103	114
<b>3 Total Exports to ECD</b>	<b>109</b>	<b>109</b>	<b>100</b>	<b>107</b>	<b>131</b>	<b>153</b>	<b>150</b>	<b>145</b>	<b>134</b>	<b>124</b>	<b>124</b>	<b>106</b>	<b>112</b>	<b>123</b>
<b>-Exports to Pacific Southwest-</b>														
4 BPA to BART PwrS	80	80	80	80	80	80	80	80	80	80	80	80	80	0
5 BPA to BURB C/N/X	18	18	18	18	9	9	9	9	9	9	9	18	18	18
6 BPA to GLEN C/N/X	20	20	20	20	10	10	10	10	10	10	10	20	20	20
7 BPA to MSR PwrS	150	150	150	0	0	0	0	0	0	0	0	0	0	0
8 BPA to Other Entities	175	175	175	210	210	210	210	210	210	210	210	210	210	210
9 BPA to PASA C/N/X	12	12	12	12	6	6	6	6	6	6	6	12	12	12
10 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
11 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
12 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
13 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
14 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
15 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
16 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
17 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
18 PPL to SCE PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
20 PSE to PGS S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
21 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
22 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
23 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33
24 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
25 BPA NW-SW Intertie Losses	17	17	17	13	10	10	10	10	10	10	10	13	13	11
<b>26 Total Exports To PSW</b>	<b>1351</b>	<b>1351</b>	<b>1351</b>	<b>846</b>	<b>738</b>	<b>738</b>	<b>738</b>	<b>738</b>	<b>738</b>	<b>738</b>	<b>738</b>	<b>833</b>	<b>1230</b>	<b>1147</b>
<b>-Exports to Inland Southwest-</b>														
27 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
28 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>29 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
30 BPA to BCHP CanEnt	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218	1218
<b>31 Total Exports To Canada</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>	<b>1218</b>
<b>-Exports to Other Entities-</b>														
<b>32 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
33 Federal Entities	1963	1963	1954	1796	1742	1764	1761	1755	1744	1765	1765	1841	1847	1776
34 Public Entities	151	151	151	110	81	81	81	81	81	81	81	81	148	148
35 Investor-Owned Entities	640	640	640	310	310	310	310	310	310	310	310	310	640	640
36 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>37 Total Exports.</b>	<b>2798</b>	<b>2798</b>	<b>2789</b>	<b>2261</b>	<b>2177</b>	<b>2199</b>	<b>2196</b>	<b>2190</b>	<b>2180</b>	<b>2200</b>	<b>2200</b>	<b>2277</b>	<b>2680</b>	<b>2608</b>

**Table A-2: Regional Exports**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	104	104	95	102	128	150	147	142	130	120	120	101	108	118
<b>3 Total Exports to ECD</b>	<b>113</b>	<b>113</b>	<b>104</b>	<b>111</b>	<b>137</b>	<b>159</b>	<b>156</b>	<b>151</b>	<b>139</b>	<b>129</b>	<b>129</b>	<b>110</b>	<b>117</b>	<b>127</b>
<b>-Exports to Pacific Southwest-</b>														
4 BPA to BURB C/N/X	18	18	18	18	9	9	9	9	9	9	9	18	18	18
5 BPA to GLEN C/N/X	20	20	20	20	10	10	10	10	10	10	10	20	20	20
6 BPA to Other Entities	210	210	210	100	100	100	100	100	100	100	100	100	100	100
7 BPA to PASA C/N/X	12	12	12	12	6	6	6	6	6	6	6	12	12	12
8 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
9 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
10 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
11 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
12 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
13 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
14 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
15 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
16 PPL to SCE PwrS	100	100	100	0	0	0	0	0	0	0	0	0	0	0
17 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
18 PSE to PGS S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
19 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
20 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
21 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33
22 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
23 BPA NW-SW Intertie Losses	11	11	11	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.4	7.4	7.4
<b>24 Total Exports To PSW</b>	<b>1150</b>	<b>1150</b>	<b>1150</b>	<b>550</b>	<b>442</b>	<b>442</b>	<b>442</b>	<b>442</b>	<b>442</b>	<b>442</b>	<b>442</b>	<b>537</b>	<b>934</b>	<b>934</b>
<b>-Exports to Inland Southwest-</b>														
25 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
26 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>27 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
28 BPA to BCHP CanEnt	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
<b>29 Total Exports To Canada</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>	<b>1244</b>
<b>-Exports to Other Entities-</b>														
<b>30 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
31 Federal Entities	1792	1792	1783	1631	1577	1600	1597	1591	1580	1600	1600	1676	1682	1693
32 Public Entities	151	151	151	110	81	81	81	81	81	81	81	81	148	148
33 Investor-Owned Entities	640	640	640	210	210	210	210	210	210	210	210	210	540	540
34 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>35 Total Exports.</b>	<b>2628</b>	<b>2628</b>	<b>2618</b>	<b>1995</b>	<b>1913</b>	<b>1935</b>	<b>1933</b>	<b>1927</b>	<b>1916</b>	<b>1935</b>	<b>1935</b>	<b>2011</b>	<b>2415</b>	<b>2425</b>



**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 AVWP to PPLM PwrS	9	9	9	9	9	9	9	9	9	9	9	9	9	9
2 BPA to Other Entities	108	108	99	106	133	156	153	142	136	125	125	105	112	123
<b>3 Total Exports to ECD</b>	<b>117</b>	<b>117</b>	<b>108</b>	<b>115</b>	<b>142</b>	<b>165</b>	<b>162</b>	<b>151</b>	<b>145</b>	<b>134</b>	<b>134</b>	<b>114</b>	<b>121</b>	<b>132</b>
<b>-Exports to Pacific Southwest-</b>														
4 BPA to BURB C/N/X	18	18	18	18	9	9	9	9	9	9	0	0	0	0
5 BPA to GLEN C/N/X	20	20	20	20	10	10	10	10	10	10	0	0	0	0
6 BPA to Other Entities	100	100	100	100	100	100	0	0	0	0	0	0	0	0
7 BPA to PASA C/N/X	12	12	12	12	6	6	6	6	6	6	0	0	0	0
8 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
9 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
10 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
11 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
12 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
13 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
14 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
15 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
16 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
17 PSE to PGS S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	0	0
18 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
19 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
20 SHPD to SMUD PwrS	36	36	36	0	0	0	0	0	0	0	0	0	0	0
21 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 BPA NW-SW Intertie Losses	7.4	7.4	7.4	7.0	4.7	4.7	1.7	1.7	1.7	1.7	0.9	2.9	2.9	2.9
<b>23 Total Exports To PSW</b>	<b>937</b>	<b>937</b>	<b>937</b>	<b>524</b>	<b>416</b>	<b>416</b>	<b>313</b>	<b>313</b>	<b>313</b>	<b>313</b>	<b>287</b>	<b>356</b>	<b>446</b>	<b>446</b>
<b>-Exports to Inland Southwest-</b>														
24 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
25 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>26 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
27 BPA to BCHP CanEnt	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241
<b>28 Total Exports To Canada</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>	<b>1241</b>
<b>-Exports to Other Entities-</b>														
<b>29 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
30 Federal Entities	1680	1680	1670	1632	1579	1603	1497	1486	1479	1499	1473	1522	1529	1540
31 Public Entities	151	151	151	84	55	55	55	55	55	55	55	55	115	115
32 Investor-Owned Entities	540	540	540	210	210	210	210	210	210	210	210	210	240	240
33 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>34 Total Exports.</b>	<b>2415</b>	<b>2415</b>	<b>2406</b>	<b>1970</b>	<b>1889</b>	<b>1912</b>	<b>1806</b>	<b>1795</b>	<b>1789</b>	<b>1808</b>	<b>1782</b>	<b>1832</b>	<b>1928</b>	<b>1939</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Exports East of Continental Divide -</b>														
1 AVWP to PPLM PwrS	9	9	9	9	0	0	0	0	0	0	0	0	0	0
2 BPA to Other Entities	113	113	103	110	138	162	159	153	141	130	130	109	116	128
<b>3 Total Exports to ECD</b>	<b>122</b>	<b>122</b>	<b>112</b>	<b>119</b>	<b>138</b>	<b>162</b>	<b>159</b>	<b>153</b>	<b>141</b>	<b>130</b>	<b>130</b>	<b>109</b>	<b>116</b>	<b>128</b>
<b>-Exports to Pacific Southwest-</b>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
7 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
8 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
10 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
11 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
12 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
13 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
14 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
15 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
16 BPA NW-SW Intertie Losses	2.9	2.9	2.9	2.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.9	2.9	2.9
<b>17 Total Exports To PSW</b>	<b>446</b>	<b>446</b>	<b>446</b>	<b>370</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>356</b>	<b>446</b>	<b>446</b>
<b>-Exports to Inland Southwest-</b>														
18 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
19 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>20 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
21 BPA to BCHP CanEnt	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245
<b>22 Total Exports To Canada</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>	<b>1245</b>
<b>-Exports to Other Entities-</b>														
<b>23 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
24 Federal Entities	1534	1534	1524	1485	1460	1484	1481	1475	1463	1482	1482	1530	1537	1549
25 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	115	115
26 Investor-Owned Entities	240	240	240	210	201	201	201	201	201	201	201	201	231	231
27 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>28 Total Exports.</b>	<b>1933</b>	<b>1933</b>	<b>1923</b>	<b>1824</b>	<b>1760</b>	<b>1785</b>	<b>1782</b>	<b>1775</b>	<b>1763</b>	<b>1782</b>	<b>1782</b>	<b>1831</b>	<b>1928</b>	<b>1939</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Exports East of Continental Divide -</b>														
1 BPA to Other Entities	117	117	107	114	143	169	166	159	147	135	135	114	121	133
<b>2 Total Exports to ECD</b>	<b>117</b>	<b>117</b>	<b>107</b>	<b>114</b>	<b>143</b>	<b>169</b>	<b>166</b>	<b>159</b>	<b>147</b>	<b>135</b>	<b>135</b>	<b>114</b>	<b>121</b>	<b>133</b>
<b>-Exports to Pacific Southwest-</b>														
3 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
4 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
5 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
6 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	0	0
7 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
8 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
9 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
10 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
11 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
12 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
13 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
14 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
15 BPA NW-SW Intertie Losses	2.9	2.9	2.9	2.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.9	2.3	2.3
<b>16 Total Exports To PSW</b>	<b>446</b>	<b>446</b>	<b>446</b>	<b>370</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>356</b>	<b>423</b>	<b>423</b>
<b>-Exports to Inland Southwest-</b>														
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
18 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>19 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
20 BPA to BCHP CanEnt	1273	1273	1273	1273	1273	1273	1273	1273	1273	1273	1273	1273	1273	1273
<b>21 Total Exports To Canada</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>	<b>1273</b>
<b>-Exports to Other Entities-</b>														
<b>22 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
23 Federal Entities	1566	1566	1556	1518	1493	1519	1516	1509	1496	1515	1515	1563	1546	1558
24 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	115	115
25 Investor-Owned Entities	231	231	231	201	201	201	201	201	201	201	201	201	231	231
26 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>27 Total Exports.</b>	<b>1957</b>	<b>1957</b>	<b>1946</b>	<b>1847</b>	<b>1794</b>	<b>1819</b>	<b>1816</b>	<b>1809</b>	<b>1797</b>	<b>1815</b>	<b>1815</b>	<b>1863</b>	<b>1937</b>	<b>1949</b>

**Table A-2: Regional Exports**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 BPA to Other Entities	122	122	111	119	149	176	172	165	152	140	140	118	126	138
<b>2 Total Exports to ECD</b>	<b>122</b>	<b>122</b>	<b>111</b>	<b>119</b>	<b>149</b>	<b>176</b>	<b>172</b>	<b>165</b>	<b>152</b>	<b>140</b>	<b>140</b>	<b>118</b>	<b>126</b>	<b>138</b>
<b>-Exports to Pacific Southwest-</b>														
3 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
4 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
5 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
6 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
7 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
8 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
9 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
11 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
12 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
13 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
<b>14 Total Exports To PSW</b>	<b>423</b>	<b>423</b>	<b>423</b>	<b>346</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>333</b>	<b>423</b>	<b>423</b>
<b>-Exports to Inland Southwest-</b>														
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
16 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>17 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
18 BPA to BCPH CanEnt	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240
<b>19 Total Exports To Canada</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>
<b>-Exports to Other Entities-</b>														
<b>20 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
21 Federal Entities	1514	1514	1503	1466	1450	1476	1473	1466	1453	1471	1471	1511	1518	1531
22 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	115	115
23 Investor-Owned Entities	231	231	231	201	201	201	201	201	201	201	201	201	231	231
24 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>25 Total Exports.</b>	<b>1905</b>	<b>1905</b>	<b>1894</b>	<b>1795</b>	<b>1750</b>	<b>1777</b>	<b>1773</b>	<b>1766</b>	<b>1753</b>	<b>1771</b>	<b>1771</b>	<b>1811</b>	<b>1909</b>	<b>1921</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 BPA to Other Entities	127	127	115	124	155	183	179	172	158	146	146	123	131	144
<b>2 Total Exports to ECD</b>	<b>127</b>	<b>127</b>	<b>115</b>	<b>124</b>	<b>155</b>	<b>183</b>	<b>179</b>	<b>172</b>	<b>158</b>	<b>146</b>	<b>146</b>	<b>123</b>	<b>131</b>	<b>144</b>
<b>-Exports to Pacific Southwest-</b>														
3 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
4 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
5 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
6 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
7 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
8 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	0	0
9 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
11 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
12 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
13 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
<b>14 Total Exports To PSW</b>	<b>423</b>	<b>423</b>	<b>423</b>	<b>346</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>333</b>	<b>393</b>	<b>393</b>
<b>-Exports to Inland Southwest-</b>														
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
16 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>17 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
18 BPA to BCHP CanEnt	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240
<b>19 Total Exports To Canada</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>
<b>-Exports to Other Entities-</b>														
<b>20 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
21 Federal Entities	1519	1519	1508	1470	1456	1483	1480	1472	1459	1476	1476	1515	1523	1536
22 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	115	115
23 Investor-Owned Entities	231	231	231	201	201	201	201	201	201	201	201	201	201	201
24 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>25 Total Exports.</b>	<b>1909</b>	<b>1909</b>	<b>1898</b>	<b>1800</b>	<b>1756</b>	<b>1784</b>	<b>1780</b>	<b>1773</b>	<b>1759</b>	<b>1777</b>	<b>1777</b>	<b>1816</b>	<b>1884</b>	<b>1897</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 BPA to Other Entities	132	132	120	129	161	190	186	179	165	152	152	128	136	150
<b>2 Total Exports to ECD</b>	<b>132</b>	<b>132</b>	<b>120</b>	<b>129</b>	<b>161</b>	<b>190</b>	<b>186</b>	<b>179</b>	<b>165</b>	<b>152</b>	<b>152</b>	<b>128</b>	<b>136</b>	<b>150</b>
<b>-Exports to Pacific Southwest-</b>														
3 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
4 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
5 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
6 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
7 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0
8 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
11 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
12 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
13 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
<b>14 Total Exports To PSW</b>	<b>393</b>	<b>393</b>	<b>393</b>	<b>326</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>313</b>	<b>373</b>	<b>373</b>
<b>-Exports to Inland Southwest-</b>														
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
16 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>17 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
18 BPA to BCHP CanEnt	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240
<b>19 Total Exports To Canada</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>
<b>-Exports to Other Entities-</b>														
<b>20 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
21 Federal Entities	1524	1524	1512	1475	1462	1490	1487	1479	1465	1482	1482	1520	1528	1542
22 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	115	115
23 Investor-Owned Entities	201	201	201	181	181	181	181	181	181	181	181	181	181	181
24 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>25 Total Exports.</b>	<b>1884</b>	<b>1884</b>	<b>1873</b>	<b>1785</b>	<b>1742</b>	<b>1771</b>	<b>1767</b>	<b>1760</b>	<b>1746</b>	<b>1763</b>	<b>1763</b>	<b>1801</b>	<b>1869</b>	<b>1882</b>

**Table A-2: Regional Exports  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Exports East of Continental Divide -</b>														
1 BPA to Other Entities	137	137	125	134	168	197	193	186	171	158	158	133	141	156
<b>2 Total Exports to ECD</b>	<b>137</b>	<b>137</b>	<b>125</b>	<b>134</b>	<b>168</b>	<b>197</b>	<b>193</b>	<b>186</b>	<b>171</b>	<b>158</b>	<b>158</b>	<b>133</b>	<b>141</b>	<b>156</b>
<b>-Exports to Pacific Southwest-</b>														
3 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
4 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
5 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
6 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
7 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
8 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	0	0
9 SDGE to SDGE PwrS	81	81	81	81	81	81	81	81	81	81	81	81	81	81
10 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
<b>12 Total Exports To PSW</b>	<b>373</b>	<b>373</b>	<b>373</b>	<b>326</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>251</b>	<b>313</b>	<b>313</b>	<b>313</b>
<b>-Exports to Inland Southwest-</b>														
13 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
14 LVFBR to WAPA PwrS	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>15 Total Exports To ISW</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>
<b>-Exports to Canada-</b>														
16 BPA to BCHP CanEnt	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240	1240
<b>17 Total Exports To Canada</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>	<b>1240</b>
<b>-Exports to Other Entities-</b>														
<b>18 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Exports-</b>														
19 Federal Entities	1529	1529	1517	1480	1468	1498	1494	1486	1472	1488	1488	1525	1534	1548
20 Public Entities	115	115	115	84	55	55	55	55	55	55	55	55	55	55
21 Investor-Owned Entities	181	181	181	181	181	181	181	181	181	181	181	181	181	181
22 Other Entities	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>23 Total Exports.</b>	<b>1870</b>	<b>1870</b>	<b>1857</b>	<b>1790</b>	<b>1748</b>	<b>1778</b>	<b>1774</b>	<b>1767</b>	<b>1752</b>	<b>1768</b>	<b>1768</b>	<b>1806</b>	<b>1814</b>	<b>1828</b>

<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2004 - 2005 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	897	897	897	897	897	897	897	897	897	897	897	897	897	897
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4332	4253	4399	4172	4341	4285	3501	3820	3950	3978	4066	3844	4509	4243
59 Investor-Owned Entities	5906	5952	5904	5929	5750	5704	5772	5517	5679	5783	5759	5600	5800	5982
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>



<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2005 - 2006 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	897	897	897	897	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4332	4253	4399	4172	4540	4484	3700	4018	4148	4177	4264	4042	4708	4442
59 Investor-Owned Entities	5906	5952	5904	5929	5551	5505	5574	5318	5481	5584	5560	5402	5601	5783
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4531	4452	4598	4371	4540	4484	3700	4018	4148	4177	4264	4042	4708	4442
59 Investor-Owned Entities	5708	5753	5706	5730	5551	5505	5574	5318	5481	5584	5560	5402	5601	5783
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

Table A-3: Regional Regulated Hydro Projects PNW Loads and Resources Study 2007 - 2008 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4531	4452	4598	4371	4540	4484	3700	4018	4148	4177	4264	4042	4708	4442
59 Investor-Owned Entities	5708	5753	5706	5730	5551	5505	5574	5318	5481	5584	5560	5402	5601	5783
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2008 - 2009 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4531	4452	4598	4371	4540	4484	3700	4018	4148	4177	4264	4042	4708	4442
59 Investor-Owned Entities	5708	5753	5706	5730	5551	5505	5574	5318	5481	5584	5560	5402	5601	5783
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

Table A-3: Regional Regulated Hydro Projects PNW Loads and Resources Study 2009 - 2010 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4531	4452	4598	4371	4680	4623	3840	4158	4288	4317	4404	4182	4848	4582
59 Investor-Owned Entities	5708	5753	5706	5730	5411	5365	5434	5179	5341	5444	5420	5262	5461	5644
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2010 - 2011 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4671	4592	4738	4511	4688	4632	3848	4166	4296	4325	4412	4190	4856	4590
59 Investor-Owned Entities	5568	5613	5566	5590	5403	5357	5426	5170	5332	5436	5412	5254	5453	5635
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2011 - 2012 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	897	897	896	896	897	897	897	897	897	897	897	897	897	897
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29832</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4679	4600	4746	4519	4694	4638	3854	4172	4302	4331	4418	4196	4862	4596
59 Investor-Owned Entities	5560	5605	5558	5582	5397	5351	5420	5164	5326	5430	5406	5248	5447	5629
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29832</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	897	897	897	897	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4685	4606	4752	4525	4705	4648	3865	4183	4313	4341	4429	4207	4873	4607
59 Investor-Owned Entities	5554	5599	5552	5576	5386	5341	5409	5154	5316	5419	5395	5237	5437	5619
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>



<div> <div>Table A-3: Regional Regulated Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2013 - 2014 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Regulated Hydro Projects-</b>														
1 Albeni Falls	50	50	50	33	22	22	23	23	22	22	16	28	45	50
2 Alder	52	52	52	52	51	52	45	32	28	30	37	46	50	51
3 Bonneville	1039	1039	1039	1039	1039	1047	1047	1047	1039	1039	1039	1039	1039	1039
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	883	1003	845
5 Box Canyon	83	83	82	79	82	82	82	83	82	82	80	78	78	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	239	239	239	239	239	239	239	239	239	239	239	239	239	239
8 Chelan	58	58	58	57	57	56	55	54	54	53	53	54	56	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	33	23	46	18	42	36	29	20	11	12	24	13	28	14
11 Cushman 2	24	6.9	88	1	88	88	88	88	3.6	2	88	1.3	88	0.3
12 Diablo	172	172	172	172	172	172	15	149	172	172	172	172	172	172
13 Dworshak	447	446	445	445	445	445	444	442	442	445	446	448	450	449
14 Faraday	43	43	43	43	43	43	43	43	43	43	43	43	43	43
15 Gorge	182	182	182	182	182	182	27	182	182	182	182	182	182	182
16 Grand Coulee	6261	6156	6261	6370	6311	6064	6234	6340	6032	5598	5408	5775	6329	6370
17 Hells Canyon	367	414	385	396	253	241	376	216	370	450	450	450	288	450
18 Hungry Horse	401	398	394	387	379	371	361	351	341	334	278	291	302	404
19 Ice Harbor	693	627	693	693	693	693	693	693	693	693	693	693	693	693
20 John Day	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
22 Libby	596	590	587	585	582	576	566	553	541	533	533	570	583	593
23 Little Falls	34	34	34	34	34	34	34	34	34	34	30	30	34	34
24 Little Goose	884	884	922	928	928	928	928	928	928	922	884	884	884	884
25 Long Lake	72	72	72	72	72	68	64	64	64	69	72	72	72	72
26 Lower Baker	71	71	71	71	71	71	62	50	50	50	50	13	67	71
27 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
28 Lower Monumental	907	907	915	922	922	922	922	922	922	915	907	907	907	907
29 Mayfield	168	168	168	168	168	168	168	168	168	168	167	159	168	125
30 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
31 Merwin	148	148	148	144	140	144	128	113	113	113	113	113	130	147
32 Monroe Street	15	15	15	15	15	15	15	15	15	15	15	15	15	15
33 Mossyrock	384	384	384	384	361	351	286	174	172	209	207	0	370	384
34 Nine Mile	26	26	26	26	26	26	26	26	26	25	23	22	24	26
35 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
36 Noxon	554	554	554	554	554	554	549	544	544	544	544	549	549	549
37 Oak Grove	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Oxbow	220	220	220	220	220	220	220	220	220	220	220	220	220	220
39 Pelton	108	108	108	108	108	108	108	108	108	108	108	108	108	108
40 Post Falls	16	16	16	16	16	16	16	16	16	15	14	14	15	16
41 Priest Rapids	896	896	896	896	896	896	896	896	896	896	896	896	896	896
42 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
43 Rock Island PH#1	162	173	176	176	173	173	176	176	176	176	176	176	168	171
44 Rock Island PH#2	402	394	395	393	395	394	394	394	394	394	394	394	398	396
45 Rocky Reach	1303	1299	1296	1298	1300	1299	1297	1297	1297	1297	1297	1297	1300	1300
46 Ross	450	397	445	331	421	390	0	169	374	363	360	388	431	450
47 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
48 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
49 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
50 The Dalles	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
51 Upper Baker	101	101	101	100	96	91	86	79	80	80	80	3.1	103	101
52 Upper Falls	10	10	10	10	10	10	10	10	10	9.5	8.6	8.3	9.3	10
53 Wanapum	910	910	910	910	910	910	910	910	910	910	910	910	910	910
54 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
55 White	64	64	64	64	59	64	61	43	43	47	53	62	64	64
56 Yale	133	133	131	132	133	132	116	94	94	106	106	0	132	132
<b>Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>
<b>-Total Regulated Hydro w/Enc.-</b>														
57 Federal System	20409	20228	20436	20534	20459	20218	20367	20449	20111	19639	19335	19766	20362	20520
58 Public Entities	4695	4617	4763	4536	4713	4657	3873	4192	4321	4350	4438	4215	4881	4615
59 Investor-Owned Entities	5543	5588	5541	5565	5378	5332	5401	5145	5307	5411	5387	5229	5428	5610
60 Other Entities	434	434	433	433	434	434	433	433	433	433	433	433	434	434
<b>61 Total Regulated Hydro w/Enc.</b>	<b>31082</b>	<b>30866</b>	<b>31173</b>	<b>31068</b>	<b>30984</b>	<b>30641</b>	<b>30073</b>	<b>30219</b>	<b>30173</b>	<b>29833</b>	<b>29592</b>	<b>29643</b>	<b>31105</b>	<b>31179</b>

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2004 - 2005 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1	0.6	0.6	0.5	0.2	0.8	0.8	1.2	1.6	1.5
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1819</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2005 - 2006 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1	0.6	0.6	0.5	0.2	0.8	0.8	1.2	1.6	1.5
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1819</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2006 - 2007 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1	0.6	0.6	0.5	0.2	0.8	0.8	1.5	2	1.5
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1819</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2007 - 2008 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1	0.6	0.6	0.5	0.2	0.9	0.9	1.5	1.7	1.5
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872



Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2008 - 2009 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1	0.6	0.6	0.5	0.2	0.9	0.9	1.5	1.7	1.5
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2009 - 2010 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.2	1.1	0.6	0.6	0.5	0.2	0.9	0.9	1.5	2.1	1.6
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1779</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1992</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	800	782	773	773	793	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924

Table A-4: Regional Independent Hydro Projects PNW Loads and Resources Study 2010 - 2011 Operating Year 1937 Water Year 2003 White Book														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.3	1.4	0.7	0.7	0.7	0.3	1.2	1.2	1.5	1.7	1.6
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1780</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1993</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	801	782	773	773	794	819	853	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2011 - 2012 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.3	1.4	0.7	0.7	0.7	0.3	1.2	1.2	1.5	1.7	1.6
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1780</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1993</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	801	782	773	773	794	819	854	854	872



Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2012 - 2013 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.3	1.4	0.7	0.8	0.7	0.3	1.2	1.2	1.5	2.1	1.6
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1780</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1993</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	780	801	782	773	773	794	819	854	855	872

Continued	Table A-4: Regional Independent Hydro Projects PNW Loads and Resources Study 2012 - 2013 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924	

<div> <div>Table A-4: Regional Independent Hydro Projects</div> <div>PNW Loads and Resources Study</div> <div>2013 - 2014 Operating Year</div> <div>1937 Water Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Independent Hydro Projects-</b>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
4 Big Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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
6 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 Blue River	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8 Bonneville Fishway	24	24	24	24	12	12	12	24	24	24	24	24	24	24
9 Bull Run	22	22	22	22	22	22	22	22	22	22	22	22	22	22
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Condit Sm Plts	30	30	34	33	32	35	33	34	37	37	37	37	37	32
17 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
18 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
19 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
20 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
21 Felt	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
22 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
23 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25 Green Springs - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
27 Hood Street	0	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0
28 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
29 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
30 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
31 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
32 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
34 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
36 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
38 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39 McNary Fishway	8	8	8	8	8	8	8	8	8	8	8	8	8	8
40 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
41 Milltown/Flint Creek	1.2	1.2	1.2	1.3	1.4	0.7	0.8	0.7	0.3	1.2	1.2	1.6	1.8	1.6
42 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
43 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
44 Morse Creek	0.5	0.5	0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
46 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
47 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
48 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
49 Reader Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
51 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
52 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
53 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
54 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
56 Spring Plants	26	28	28	30	31	31	30	30	27	28	28	27	26	26
57 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
58 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
59 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
60 The Dalles Fishway	4	4	4	4	4	4	4	4	4	4	4	4	4	4
61 Trail Bridge	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
62 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
63 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
64 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
65 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
66 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7
67 Wynochee	11	11	11	11	11	11	11	11	11	11	11	11	11	11
68 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>Total Independent Hydro w/Enc.</b>	<b>1864</b>	<b>1846</b>	<b>1834</b>	<b>1820</b>	<b>1780</b>	<b>1766</b>	<b>1714</b>	<b>1827</b>	<b>1919</b>	<b>1968</b>	<b>1993</b>	<b>2071</b>	<b>2069</b>	<b>1924</b>
<b>-Total Independent Hydro W/Enc.-</b>														
69 Federal System	745	757	739	744	711	673	644	760	820	845	845	884	886	762
70 Public Entities	266	266	287	288	288	292	288	295	325	329	328	333	329	290
71 Investor-Owned Entities	852	823	808	788	781	801	782	773	773	794	819	854	854	872

Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
72 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Total Independent Hydro w/Enc.	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924

**Table A-5: Regional Imports  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPL To PPL PwrS	206	206	124	149	163	241	236	226	184	189	189	199	208	224
5 PPLM To IPC PwrS	25	25	0	0	0	0	0	0	0	0	0	0	80	80
<b>6 Total Imports From ECD</b>	<b>244</b>	<b>244</b>	<b>166</b>	<b>257</b>	<b>422</b>	<b>554</b>	<b>523</b>	<b>469</b>	<b>399</b>	<b>377</b>	<b>377</b>	<b>199</b>	<b>306</b>	<b>338</b>
<b>-Imports From Pacific Southwest-</b>														
7 ANHM To BPA PwrX	0	0	0	20	20	20	20	20	20	0	0	0	0	0
8 BURB To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BURB To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GLEN To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
13 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
14 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PG&E To PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
20 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>374</b>	<b>396</b>	<b>396</b>	<b>396</b>	<b>66</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
27 Other Entities To BPA	50	50	50	50	50	50	50	50	50	50	50	0	0	50
28 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
29 WAPA To GLEC ARP	3.3	3.3	3.1	2.9	3.3	3.7	3.8	4	3.3	3.3	3.3	2.8	3.1	3.3
<b>30 Total Imports From ISW</b>	<b>128</b>	<b>128</b>	<b>128</b>	<b>98</b>	<b>98</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>98</b>	<b>128</b>	<b>128</b>	<b>78</b>	<b>78</b>	<b>128</b>
<b>-Imports From Canada-</b>														
31 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
32 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>33 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>34 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
35 Federal System	139	139	168	224	277	331	305	261	233	216	216	76	94	160
36 Public Entities	146	146	146	145	125	168	199	232	258	158	158	145	146	146
37 Investor-Owned Entities	231	231	124	149	591	669	664	654	282	287	287	199	288	304
38 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>39 Total Imports.</b>	<b>516</b>	<b>516</b>	<b>438</b>	<b>519</b>	<b>993</b>	<b>1168</b>	<b>1168</b>	<b>1147</b>	<b>772</b>	<b>661</b>	<b>661</b>	<b>420</b>	<b>528</b>	<b>610</b>

**Table A-5: Regional Imports**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPL To PPL PwrS	215	215	193	191	224	233	231	218	162	172	172	121	206	202
5 PPLM To IPC PwrS	80	80	0	0	0	0	0	0	0	0	0	0	80	80
<b>6 Total Imports From ECD</b>	<b>308</b>	<b>308</b>	<b>235</b>	<b>299</b>	<b>483</b>	<b>546</b>	<b>518</b>	<b>461</b>	<b>376</b>	<b>359</b>	<b>359</b>	<b>121</b>	<b>304</b>	<b>316</b>
<b>-Imports From Pacific Southwest-</b>														
7 BURB To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BURB To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GLEN To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GLEN To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
12 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
13 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PG&E To PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
19 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354</b>	<b>376</b>	<b>376</b>	<b>376</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
26 Other Entities To BPA	50	50	50	50	50	50	50	50	50	50	50	0	0	50
27 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
28 WAPA To GLEC ARP	3.3	3.3	3.1	2.9	3.3	3.7	3.8	4	3.3	3.3	3.3	2.8	3.1	3.3
<b>29 Total Imports From ISW</b>	<b>128</b>	<b>128</b>	<b>128</b>	<b>98</b>	<b>98</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>98</b>	<b>128</b>	<b>128</b>	<b>78</b>	<b>78</b>	<b>128</b>
<b>-Imports From Canada-</b>														
30 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>32 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>33 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
34 Federal System	139	139	168	204	257	311	285	241	213	216	216	76	94	160
35 Public Entities	146	146	146	145	125	168	199	232	258	158	158	145	146	146
36 Investor-Owned Entities	295	295	193	191	652	661	659	646	260	270	270	121	286	282
37 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>38 Total Imports.</b>	<b>580</b>	<b>580</b>	<b>507</b>	<b>540</b>	<b>1034</b>	<b>1140</b>	<b>1143</b>	<b>1119</b>	<b>730</b>	<b>643</b>	<b>643</b>	<b>343</b>	<b>526</b>	<b>588</b>

**Table A-5: Regional Imports**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPL To PPL PwrS	126	126	137	132	158	176	165	155	115	122	122	88	143	140
5 PPLM To IPC PwrS	80	80	0	0	0	0	0	0	0	0	0	0	80	80
<b>6 Total Imports From ECD</b>	<b>219</b>	<b>219</b>	<b>179</b>	<b>240</b>	<b>417</b>	<b>489</b>	<b>452</b>	<b>398</b>	<b>330</b>	<b>310</b>	<b>310</b>	<b>88</b>	<b>241</b>	<b>254</b>
<b>-Imports From Pacific Southwest-</b>														
7 BURB To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BURB To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GLEN To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GLEN To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
12 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
13 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PG&E To PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
19 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354</b>	<b>376</b>	<b>376</b>	<b>376</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
26 Other Entities To BPA	50	50	50	50	50	50	0	0	0	0	0	0	0	0
27 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
28 WAPA To GLEC ARP	3.3	3.3	3.1	0	0	0	0	0	0	0	0	0	0	0
<b>29 Total Imports From ISW</b>	<b>128</b>	<b>128</b>	<b>128</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
30 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>32 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>33 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
34 Federal System	139	139	168	204	257	311	235	191	163	166	166	76	94	110
35 Public Entities	146	146	146	142	122	164	195	228	254	154	154	142	142	142
36 Investor-Owned Entities	206	206	137	132	586	604	593	583	213	220	220	88	223	220
37 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>38 Total Imports.</b>	<b>491</b>	<b>491</b>	<b>450</b>	<b>479</b>	<b>965</b>	<b>1079</b>	<b>1023</b>	<b>1002</b>	<b>630</b>	<b>540</b>	<b>540</b>	<b>307</b>	<b>459</b>	<b>472</b>



**Table A-5: Regional Imports  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPL To PPL PwrS	160	160	98	136	152	200	140	182	144	146	146	135	169	178
5 PPLM To IPC PwrS	80	80	0	0	0	0	0	0	0	0	0	0	80	80
<b>6 Total Imports From ECD</b>	<b>253</b>	<b>253</b>	<b>140</b>	<b>244</b>	<b>411</b>	<b>513</b>	<b>427</b>	<b>425</b>	<b>359</b>	<b>334</b>	<b>334</b>	<b>135</b>	<b>267</b>	<b>292</b>
<b>-Imports From Pacific Southwest-</b>														
7 BURB To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BURB To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GLEN To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GLEN To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
12 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
13 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PG&E To PSE S/Pwr/X	0	0	0	0	300	300	0	0	0	0	0	0	0	0
19 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354</b>	<b>376</b>	<b>76</b>	<b>76</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
26 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>27 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
28 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>30 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>31 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
32 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
33 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
34 Investor-Owned Entities	240	240	98	136	580	628	268	310	242	244	244	135	249	258
35 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>36 Total Imports.</b>	<b>472</b>	<b>472</b>	<b>358</b>	<b>433</b>	<b>908</b>	<b>1054</b>	<b>698</b>	<b>729</b>	<b>659</b>	<b>564</b>	<b>564</b>	<b>353</b>	<b>486</b>	<b>511</b>

**Table A-5: Regional Imports**  
**PNW Loads and Resources Study**  
**2008 - 2009 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPL To PPL PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 PPLM To IPC PwrS	80	80	0	0	0	0	0	0	0	0	0	0	80	80
<b>6 Total Imports From ECD</b>	<b>93</b>	<b>93</b>	<b>42</b>	<b>108</b>	<b>259</b>	<b>313</b>	<b>287</b>	<b>243</b>	<b>215</b>	<b>188</b>	<b>188</b>	<b>0.1</b>	<b>98</b>	<b>114</b>
<b>-Imports From Pacific Southwest-</b>														
7 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
8 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
9 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PG&E To PSE S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>19 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
20 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>21 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
22 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>24 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>25 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
26 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
27 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
28 Investor-Owned Entities	80	80	0	0	128	128	128	128	98	98	98	0	80	80
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>30 Total Imports.</b>	<b>311</b>	<b>311</b>	<b>261</b>	<b>297</b>	<b>456</b>	<b>554</b>	<b>558</b>	<b>547</b>	<b>515</b>	<b>418</b>	<b>418</b>	<b>219</b>	<b>317</b>	<b>332</b>

**Table A-5: Regional Imports**  
**PNW Loads and Resources Study**  
**2009 - 2010 Operating Year**  
**2003 White Book**

3/31/2004

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Imports From East of Continental Divide-</b>														
1 BEPC To NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
4 PPLM To IPC PwrS	80	80	0	0	0	0	0	0	0	0	0	0	0	0
<b>5 Total Imports From ECD</b>	<b>93</b>	<b>93</b>	<b>42</b>	<b>108</b>	<b>259</b>	<b>313</b>	<b>287</b>	<b>243</b>	<b>215</b>	<b>188</b>	<b>188</b>	<b>0.1</b>	<b>18</b>	<b>34</b>
<b>-Imports From Pacific Southwest-</b>														
6 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
7 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
8 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
18 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>19 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
20 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>22 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>23 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
24 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
25 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
26 Investor-Owned Entities	80	80	0	0	128	128	128	128	98	98	98	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Total Imports.</b>	<b>311</b>	<b>311</b>	<b>261</b>	<b>297</b>	<b>456</b>	<b>554</b>	<b>558</b>	<b>547</b>	<b>515</b>	<b>418</b>	<b>418</b>	<b>219</b>	<b>237</b>	<b>252</b>

**Table A-5: Regional Imports**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
<b>3 Total Imports From ECD</b>	<b>13</b>	<b>13</b>	<b>42</b>	<b>108</b>	<b>161</b>	<b>215</b>	<b>189</b>	<b>145</b>	<b>117</b>	<b>90</b>	<b>90</b>	<b>0.1</b>	<b>18</b>	<b>34</b>
<b>-Imports From Pacific Southwest-</b>														
4 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
5 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>12 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
13 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>14 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
15 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>17 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>18 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
19 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
20 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
21 Investor-Owned Entities	0	0	0	0	30	30	30	30	0	0	0	0	0	0
22 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total Imports.</b>	<b>231</b>	<b>231</b>	<b>261</b>	<b>297</b>	<b>358</b>	<b>456</b>	<b>460</b>	<b>449</b>	<b>417</b>	<b>320</b>	<b>320</b>	<b>219</b>	<b>237</b>	<b>252</b>

**Table A-5: Regional Imports  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

3/31/2004

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Imports From East of Continental Divide-</b>														
1 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
<b>3 Total Imports From ECD</b>	<b>13</b>	<b>13</b>	<b>42</b>	<b>108</b>	<b>161</b>	<b>215</b>	<b>189</b>	<b>145</b>	<b>117</b>	<b>90</b>	<b>90</b>	<b>0.1</b>	<b>18</b>	<b>34</b>
<b>-Imports From Pacific Southwest-</b>														
4 GLEN To PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
5 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>12 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
13 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>14 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
15 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>17 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>18 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
19 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
20 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
21 Investor-Owned Entities	0	0	0	0	30	30	30	30	0	0	0	0	0	0
22 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total Imports.</b>	<b>231</b>	<b>231</b>	<b>261</b>	<b>297</b>	<b>358</b>	<b>456</b>	<b>460</b>	<b>449</b>	<b>417</b>	<b>320</b>	<b>320</b>	<b>219</b>	<b>237</b>	<b>252</b>

**Table A-5: Regional Imports  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
<b>3 Total Imports From ECD</b>	<b>13</b>	<b>13</b>	<b>42</b>	<b>108</b>	<b>161</b>	<b>215</b>	<b>189</b>	<b>145</b>	<b>117</b>	<b>90</b>	<b>90</b>	<b>0.1</b>	<b>18</b>	<b>34</b>
<b>-Imports From Pacific Southwest-</b>														
4 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>11 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
12 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>13 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
14 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>16 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>17 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
18 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
19 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
20 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>22 Total Imports.</b>	<b>231</b>	<b>231</b>	<b>261</b>	<b>297</b>	<b>328</b>	<b>426</b>	<b>430</b>	<b>419</b>	<b>417</b>	<b>320</b>	<b>320</b>	<b>219</b>	<b>237</b>	<b>252</b>

**Table A-5: Regional Imports  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Imports From East of Continental Divide-</b>														
1 NWE To NWE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 PPL To BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
<b>3 Total Imports From ECD</b>	<b>13</b>	<b>13</b>	<b>42</b>	<b>108</b>	<b>161</b>	<b>215</b>	<b>189</b>	<b>145</b>	<b>117</b>	<b>90</b>	<b>90</b>	<b>0.1</b>	<b>18</b>	<b>34</b>
<b>-Imports From Pacific Southwest-</b>														
4 NCPA To SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PASA To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PASA To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 RVSD To BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD To BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>11 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Imports From Inland Southwest-</b>														
12 SPP To BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<b>13 Total Imports From ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>
<b>-Imports From Canada-</b>														
14 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 BCHP To SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
<b>16 Total Imports From Canada</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>98</b>	<b>119</b>	<b>150</b>	<b>183</b>	<b>209</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>	<b>144</b>
<b>-Imports From Other Entities-</b>														
<b>17 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Imports-</b>														
18 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
19 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
20 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>22 Total Imports.</b>	<b>231</b>	<b>231</b>	<b>261</b>	<b>297</b>	<b>328</b>	<b>426</b>	<b>430</b>	<b>419</b>	<b>417</b>	<b>320</b>	<b>320</b>	<b>219</b>	<b>237</b>	<b>252</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>



**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>



**Table A-6: Regional Small Thermal and Miscellaneous  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal System-</b>														
1 Bangor Base #1 Diesel Generators	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 Bangor Base #2 Diesel Generators	10	10	10	10	10	10	10	10	10	10	10	10	10	10
3 Puget Sound Shipyards Diesel Generators	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>4 Total Federal System</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>-Public Entities-</b>														
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Investor-Owned Entities-</b>														
6 Crystal Mountain	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
7 Energy Mgmt Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>2.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Small Thermal and Miscellaneous-</b>														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Termal &amp; Misc.</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	0	0	0	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	491	491	498	508	518	525	525	522	518	512	512	505	498	491
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>1968</b>	<b>1968</b>	<b>1975</b>	<b>2035</b>	<b>2045</b>	<b>2052</b>	<b>2052</b>	<b>1912</b>	<b>1908</b>	<b>1902</b>	<b>1902</b>	<b>1548</b>	<b>1888</b>	<b>2018</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	1968	1968	1975	2035	2045	2052	2052	1912	1908	1902	1902	1548	1888	2018
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3380</b>	<b>3380</b>	<b>3387</b>	<b>3447</b>	<b>3457</b>	<b>3464</b>	<b>3464</b>	<b>3186</b>	<b>3182</b>	<b>2806</b>	<b>2806</b>	<b>2426</b>	<b>2542</b>	<b>3430</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	242	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>330</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	491	498	508	518	525	525	522	518	512	512	505	498	491	491
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2018</b>	<b>2025</b>	<b>2035</b>	<b>2045</b>	<b>2052</b>	<b>2052</b>	<b>2049</b>	<b>1908</b>	<b>1902</b>	<b>1902</b>	<b>1895</b>	<b>1541</b>	<b>1881</b>	<b>2018</b>
<b>-Other Enities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Enities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	330	384	522
35 Investor-Owned Entities	2018	2025	2035	2045	2052	2052	2049	1908	1902	1902	1895	1541	1881	2018
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3430</b>	<b>3437</b>	<b>3447</b>	<b>3457</b>	<b>3464</b>	<b>3464</b>	<b>3461</b>	<b>3182</b>	<b>3176</b>	<b>2806</b>	<b>2799</b>	<b>2660</b>	<b>2535</b>	<b>3430</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	242	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>330</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	498	508	518	525	525	522	518	512	512	505	498	491	491	498
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2025</b>	<b>2035</b>	<b>2045</b>	<b>2052</b>	<b>2052</b>	<b>2049</b>	<b>2045</b>	<b>1902</b>	<b>1902</b>	<b>1895</b>	<b>1888</b>	<b>1534</b>	<b>1881</b>	<b>2025</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	330	384	522
35 Investor-Owned Entities	2025	2035	2045	2052	2052	2049	2045	1902	1902	1895	1888	1534	1881	2025
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3437</b>	<b>3447</b>	<b>3457</b>	<b>3464</b>	<b>3464</b>	<b>3461</b>	<b>3457</b>	<b>3176</b>	<b>3176</b>	<b>2799</b>	<b>2792</b>	<b>2654</b>	<b>2535</b>	<b>3437</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	508	518	525	525	522	518	512	512	505	498	491	491	498	508
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2035</b>	<b>2045</b>	<b>2052</b>	<b>2052</b>	<b>2049</b>	<b>2045</b>	<b>2039</b>	<b>1902</b>	<b>1895</b>	<b>1888</b>	<b>1881</b>	<b>1534</b>	<b>1888</b>	<b>2035</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	2035	2045	2052	2052	2049	2045	2039	1902	1895	1888	1881	1534	1888	2035
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3447</b>	<b>3457</b>	<b>3464</b>	<b>3464</b>	<b>3461</b>	<b>3457</b>	<b>3451</b>	<b>3176</b>	<b>3169</b>	<b>2792</b>	<b>2785</b>	<b>2412</b>	<b>2542</b>	<b>3447</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	242	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>330</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	518	525	525	522	518	512	512	505	498	491	491	498	508	518
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2045</b>	<b>2052</b>	<b>2052</b>	<b>2049</b>	<b>2045</b>	<b>2039</b>	<b>2039</b>	<b>1895</b>	<b>1888</b>	<b>1881</b>	<b>1881</b>	<b>1541</b>	<b>1898</b>	<b>2045</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	330	384	522
35 Investor-Owned Entities	2045	2052	2052	2049	2045	2039	2039	1895	1888	1881	1881	1541	1898	2045
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3457</b>	<b>3464</b>	<b>3464</b>	<b>3461</b>	<b>3457</b>	<b>3451</b>	<b>3451</b>	<b>3169</b>	<b>3162</b>	<b>2785</b>	<b>2785</b>	<b>2660</b>	<b>2552</b>	<b>3457</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	242	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>330</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	525	525	522	518	512	512	505	498	491	491	498	508	518	525
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2052</b>	<b>1805</b>	<b>1802</b>	<b>1798</b>	<b>1792</b>	<b>1792</b>	<b>1785</b>	<b>1641</b>	<b>1634</b>	<b>1634</b>	<b>1641</b>	<b>1304</b>	<b>1661</b>	<b>1805</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	330	384	522
35 Investor-Owned Entities	2052	1805	1802	1798	1792	1792	1785	1641	1634	1634	1641	1304	1661	1805
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3464</b>	<b>3217</b>	<b>3214</b>	<b>3210</b>	<b>3204</b>	<b>3204</b>	<b>3197</b>	<b>2915</b>	<b>2908</b>	<b>2538</b>	<b>2545</b>	<b>2424</b>	<b>2315</b>	<b>3217</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	525	522	518	512	512	505	498	491	491	498	508	518	525	525
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	0	0	0	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>1805</b>	<b>1802</b>	<b>1798</b>	<b>2039</b>	<b>2039</b>	<b>2032</b>	<b>2025</b>	<b>1881</b>	<b>1881</b>	<b>1888</b>	<b>1898</b>	<b>1561</b>	<b>1915</b>	<b>2052</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	1805	1802	1798	2039	2039	2032	2025	1881	1881	1888	1898	1561	1915	2052
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3217</b>	<b>3214</b>	<b>3210</b>	<b>3451</b>	<b>3451</b>	<b>3444</b>	<b>3437</b>	<b>3155</b>	<b>3155</b>	<b>2792</b>	<b>2802</b>	<b>2438</b>	<b>2569</b>	<b>3464</b>



**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	522	518	512	512	505	498	491	491	498	508	518	525	525	522
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2049</b>	<b>2045</b>	<b>2039</b>	<b>2039</b>	<b>2032</b>	<b>2025</b>	<b>2018</b>	<b>1881</b>	<b>1888</b>	<b>1898</b>	<b>1908</b>	<b>1568</b>	<b>1915</b>	<b>2049</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	2049	2045	2039	2039	2032	2025	2018	1881	1888	1898	1908	1568	1915	2049
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3461</b>	<b>3457</b>	<b>3451</b>	<b>3451</b>	<b>3444</b>	<b>3437</b>	<b>3430</b>	<b>3155</b>	<b>3162</b>	<b>2802</b>	<b>2812</b>	<b>2446</b>	<b>2569</b>	<b>3461</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	518	512	512	505	498	491	491	498	508	518	525	525	522	518
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	247	247	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2045</b>	<b>2039</b>	<b>2039</b>	<b>2032</b>	<b>2025</b>	<b>2018</b>	<b>2018</b>	<b>1888</b>	<b>1898</b>	<b>1908</b>	<b>1915</b>	<b>1568</b>	<b>1912</b>	<b>2045</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	2045	2039	2039	2032	2025	2018	2018	1888	1898	1908	1915	1568	1912	2045
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3457</b>	<b>3451</b>	<b>3451</b>	<b>3444</b>	<b>3437</b>	<b>3430</b>	<b>3430</b>	<b>3162</b>	<b>3172</b>	<b>2812</b>	<b>2819</b>	<b>2446</b>	<b>2566</b>	<b>3457</b>

**Table A-7: Regional Combustion Turbines  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 Benton CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
3 Frederickson CT	138	138	138	138	138	138	138	0	0	0	0	0	0	138
4 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
8 River Road	242	242	242	242	242	242	242	242	242	242	242	0	242	242
9 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
10 Springfield Gen Farm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 Wauna Peaking Project	11	11	11	11	11	11	11	11	11	11	11	0	11	11
<b>12 Total Public Entities</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>522</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>384</b>	<b>88</b>	<b>384</b>	<b>522</b>
<b>-Investor-Owned Entities-</b>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	512	512	505	498	491	491	498	508	518	525	525	522	518	512
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
17 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	0	25	25
18 Danskin	90	90	90	90	90	90	90	90	90	90	90	90	90	90
19 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
20 Frederickson CT	137	137	137	137	137	137	137	0	0	0	0	0	0	137
21 Fredonia 1&2	247	247	247	247	0	0	247	247	247	247	247	247	247	247
22 Fredonia 3&4	116	116	116	116	116	116	116	116	116	116	116	116	116	116
23 Fredrickson 1&2	178	178	178	178	178	178	178	178	178	178	178	178	178	178
24 Kettle Falls CT	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	0	6.9	6.9
25 Northeastern 1 & 2	67	67	67	67	67	67	67	67	67	67	67	0	67	67
26 Whitehorn 2 & 3	178	178	178	178	178	178	178	178	178	178	178	178	178	178
<b>27 Total Investor-Owned Entities</b>	<b>2039</b>	<b>2039</b>	<b>2032</b>	<b>2025</b>	<b>1771</b>	<b>1771</b>	<b>2025</b>	<b>1898</b>	<b>1908</b>	<b>1915</b>	<b>1915</b>	<b>1565</b>	<b>1908</b>	<b>2039</b>
<b>-Other Entities-</b>														
28 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
29 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0.4
30 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
31 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
<b>32 Total Other Entities</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>890</b>	<b>520</b>	<b>520</b>	<b>790</b>	<b>270</b>	<b>890</b>
<b>-Combustion Turbines-</b>														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	522	522	522	522	522	522	522	384	384	384	384	88	384	522
35 Investor-Owned Entities	2039	2039	2032	2025	1771	1771	2025	1898	1908	1915	1915	1565	1908	2039
36 Other Entities	890	890	890	890	890	890	890	890	890	520	520	790	270	890
<b>37 Total Combustion Turbines</b>	<b>3451</b>	<b>3451</b>	<b>3444</b>	<b>3437</b>	<b>3183</b>	<b>3183</b>	<b>3437</b>	<b>3172</b>	<b>3182</b>	<b>2819</b>	<b>2819</b>	<b>2442</b>	<b>2562</b>	<b>3451</b>

Table A-8: Regional Renewable Resources PNW Loads and Resources Study 2004 - 2005 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
5 Total Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
8 Total Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>-Other Entities-</b>														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Renewable Resources	84	84	84	85	86	88	89	88	88	87	87	84	84	84

<div> <div>Table A-8: Regional Renewable Resources</div> <div>PNW Loads and Resources Study</div> <div>2005 - 2006 Operating Year</div> <div>2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
5 Total Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
8 Total Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>-Other Entities-</b>														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Renewable Resources	84	84	84	85	86	88	89	88	88	87	87	84	84	84

<div> <div>Table A-8: Regional Renewable Resources</div> <div>PNW Loads and Resources Study</div> <div>2006 - 2007 Operating Year</div> <div>2003 White Book</div> </div>														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
5 Total Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
8 Total Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>-Other Entities-</b>														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Renewable Resources	84	84	84	85	86	88	89	88	88	87	87	84	84	84

Table A-8: Regional Renewable Resources PNW Loads and Resources Study 2007 - 2008 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
2 Total Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
5 Total Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
8 Total Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>-Other Entities-</b>														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Renewable Resources	84	84	84	85	86	88	89	88	88	87	87	84	84	84

**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>



**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>

**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>

**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>

**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>

**Table A-8: Regional Renewable Resources  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
1 Georgia-Pacific Paper (Wauna)	27	27	27	28	29	31	32	31	31	30	30	27	27	27
<b>2 Total Federal System</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>31</b>	<b>32</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>-Public Entities-</b>														
3 Coffin Butte	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
4 Short Mountain	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
<b>5 Total Public Entities</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>
<b>-Investor-Owned Entities-</b>														
6 Great Falls Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Kettle Falls	50	50	50	50	50	50	50	50	50	50	50	50	50	50
<b>8 Total Investor-Owned Entities</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>-Other Entities-</b>														
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Renewable Resources-</b>														
10 Federal System	27	27	27	28	29	31	32	31	31	30	30	27	27	27
11 Public Entities	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
12 Investor-Owned Entities	50	50	50	50	50	50	50	50	50	50	50	50	50	50
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Renewable Resources</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>88</b>	<b>89</b>	<b>88</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>84</b>	<b>84</b>	<b>84</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>



**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
<b>2 WEYCO Energy Center</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor Owned Entities-</b>														
<b>4 Coyote Springs #1</b>	<b>229</b>	<b>229</b>	<b>233</b>	<b>235</b>	<b>242</b>	<b>246</b>	<b>247</b>	<b>244</b>	<b>241</b>	<b>236</b>	<b>236</b>	<b>234</b>	<b>231</b>	<b>229</b>
<b>5 Coyote Springs #2</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>0</b>	<b>140</b>	<b>140</b>
<b>6 Georgia-Pacific Paper (Camas)</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>52</b>	<b>0</b>	<b>52</b>	<b>52</b>
<b>7 Hermiston Cogeneration</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>469</b>	<b>0</b>	<b>469</b>	<b>469</b>
<b>8 Thompson River Co-Gen</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
<b>10 Coyote Springs #2</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>140</b>	<b>0</b>	<b>140</b>	<b>140</b>
<b>11 Hermiston Power Project</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>0</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>	<b>630</b>
<b>12 Klamath Cogeneration Project</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>	<b>484</b>
<b>13 Longview Fibre</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
<b>15 Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>16 Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>17 Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>18 Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

**Table A-9: Regional Cogeneration  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal System-</b>														
<b>1 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Public Entities-</b>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<b>3 Total Public Entities</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>0</b>
<b>-Investor_Owned Entities-</b>														
4 Coyote Springs #1	229	229	233	235	242	246	247	244	241	236	236	234	231	229
5 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
6 Georgia-Pacific Paper (Camas)	52	52	52	52	52	52	52	52	52	52	52	0	52	52
7 Hermiston Cogeneration	469	469	469	469	469	469	469	469	469	469	469	0	469	469
8 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>9 Total Investor-Owned Entities</b>	<b>902</b>	<b>902</b>	<b>906</b>	<b>908</b>	<b>915</b>	<b>919</b>	<b>920</b>	<b>917</b>	<b>914</b>	<b>909</b>	<b>909</b>	<b>246</b>	<b>904</b>	<b>902</b>
<b>-Other Entities-</b>														
10 Coyote Springs #2	140	140	140	140	140	140	140	140	140	140	140	0	140	140
11 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
12 Klamath Cogeneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
13 Longview Fibre	45	45	45	45	45	45	45	45	45	45	45	45	45	45
<b>14 Total Other Entities</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>1299</b>	<b>669</b>	<b>1299</b>	<b>1299</b>	<b>1159</b>	<b>1299</b>	<b>1299</b>
<b>-Cogeneration-</b>														
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 Investor-Owned Entities	902	902	906	908	915	919	920	917	914	909	909	246	904	902
18 Other Entities	1299	1299	1299	1299	1299	1299	1299	1299	669	1299	1299	1159	1299	1299
<b>19 Total Cogeneration</b>	<b>2221</b>	<b>2221</b>	<b>2225</b>	<b>2227</b>	<b>2234</b>	<b>2218</b>	<b>2239</b>	<b>2236</b>	<b>1603</b>	<b>2228</b>	<b>2228</b>	<b>1425</b>	<b>2223</b>	<b>2201</b>

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	5638	5766	5132	5688	6992

**Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6731	6436	5906	5612	6992	6252

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6252	6992	6992	6992	6992	6992	6992	6992	6858	5918	5260	3414	4782	6462

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6865	6436	6302	4795	6308	6992

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	6436	5778	3287	4948	6992



Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	5766	5766	5637	5568	6992

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6992	5102	5236	4475	4948	6992

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6858	6436	6308	4564	6098	6992

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6865	5906	5772	4328	5102	6992

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Table A-10: Regional Large Thermal  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6865	6436	6302	4960	6098	6992

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**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-BPA Canada-</b>														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Priest Rapids CER for Canada-</b>														
2 AVWP to BPA	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2
3 COPD to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
6 FGRV to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	19	19	19	19	19	19	19	19	20	19	19	19	19	19
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
11 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 MCMN to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
15 MTFR to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.2	7.2	7.2	7.2	7.2
18 PPL to BPA	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.2	7.2	7.2	7.2	7.2
19 PSE to BPA	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Priest Rapids: Regional Totals	53	53	53	53	53	53	53	53	54	52	52	52	52	52
<b>-Wanapum CER for Canada-</b>														
26 AVWP to BPA	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2
27 COPD to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
28 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 EWEB to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
30 FGRV to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
31 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 GCPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
33 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 MCMN to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
39 MTFR to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE to BPA	9.5	9.5	9.5	9.5	9.5	9.5	9.7	9.7	9.7	9.5	9.5	9.5	9.5	9.5
42 PPL to BPA	9.5	9.5	9.5	9.5	9.5	9.5	9.7	9.7	9.7	9.5	9.5	9.5	9.5	9.5
43 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5
44 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 SCL to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 TPU to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Wanapum: Regional Totals	51	51	51	51	51	51	52	52	52	51	51	51	51	51
<b>-Rock Island P.H. #1 CER for Canada-</b>														
50 CHPD to BPA	10	10	10	10	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
51 PSE to BPA	10	10	10	10	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
52 Rock Island P.H. #1: Regional Totals	20	20	20	20	20	20	19	19	19	19	19	19	19	19
<b>-Rock Island P.H. #2 CER for Canada-</b>														
53 CHPD to BPA	6	6	6	6	6	6	6	6	6	6	6	6	6	6
54 PSE to BPA	6	6	6	6	6	6	6	6	6	6	6	6	6	6
55 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<b>-Rocky Reach CER for Canada-</b>														
56 AVWP to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	2.0	2.0	2.0
57 CHPD to BPA	10	10	10	10	10	10	10	10	10	10	10	10	10	10
58 CLKM to BPA	16	16	16	16	16	16	16	16	15	16	16	16	16	16
59 DOPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60 PGE to BPA	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.2	8.2	8.2	8.2	8.2
61 PPL to BPA	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
62 PSE to BPA	26	26	26	26	26	26	26	26	26	26	26	26	26	26
63 Rocky Reach: Regional Totals	68	68	68	68	68	68	68	68	67	68	68	68	68	68
<b>-Wells CER for Canada-</b>														

Table A-15: Canadian Entitlement Return For Canada PNW Loads and Resources Study 2004 - 2005 Operating Year 2003 White Book														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64 AVWP to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
65 DOPD to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
66 OKPD to BPA	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4
67 PGE to BPA	8.7	8.7	8.7	8.7	8.9	8.9	8.9	8.9	8.9	8.7	8.7	8.7	8.7	8.7
68 PPL to BPA	3.0	3.0	3.0	3.0	3	3	3	3	3	3.0	3.0	3.0	3.0	3.0
69 PSE to BPA	13	13	13	13	14	14	14	14	14	13	13	13	13	13
70 Wells: Regional Totals	43	43	43	43	44	44	44	44	44	43	43	43	43	43
-Total CER For Canada-														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	97	97	97	97	98	98	98	98	98	96	96	96	96	96
73 Investor-Owned Entities	134	134	134	134	135	135	135	135	134	133	133	133	133	133
74 Other Entities	16	16	16	16	16	16	16	16	15	16	16	16	16	16
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total CER For Canada	247	247	247	247	248	248	248	248	248	245	245	245	245	245

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
2003 White Book**

**3/31/2004**

<div> <div>Continued</div> <div> <div>Table A-15: Canadian Entitlement Return For Canada</div> <div>PNW Loads and Resources Study</div> <div>2005 - 2006 Operating Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div> </div> <div></div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64 AVWP to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	13	13	13	13	13	13	13	13	13	12	12	12	12	12
66 OKPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
67 PGE to BPA	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.3	8.3	8.3	8.3	8.3
68 PPL to BPA	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
70 Wells: Regional Totals	43	43	43	43	43	43	43	43	43	41	41	41	41	41
-Total CER For Canada-														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	96	96	96	96	109	109	109	109	109	103	103	103	103	103
73 Investor-Owned Entities	133	133	133	133	122	122	122	122	121	116	116	116	116	116
74 Other Entities	16	16	16	16	16	16	16	16	15	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total CER For Canada	245	245	245	245	246	247	246	246	245	234	234	234	234	234

3/31/2004

**-Wells CER for Canada-**



**Table A-15: Canadian Entitlement Return For Canada**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 OKPD to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
67 PGE to BPA	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.1	8.1	8.1	8.1
68 PPL to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
<b>70 Wells: Regional Totals</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total CER For Canada-</b>														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	103	103	103	103	103	103	103	103	103	101	101	101	101	101
73 Investor-Owned Entities	116	116	116	116	116	116	116	116	116	113	113	113	113	113
74 Other Entities	15	15	15	15	15	15	15	15	15	14	14	14	14	14
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>76 Total CER For Canada</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>228</b>	<b>228</b>	<b>228</b>	<b>228</b>	<b>228</b>

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

**3/31/2004**

[illegible]

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 OKPD to BPA	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67 PGE to BPA	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
68 PPL to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
70 Wells: Regional Totals	40	40	40	40	40	40	40	40	40	40	40	40	40	40
-Total CER For Canada-														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	101	101	101	101	101	101	101	101	101	99	99	99	99	99
73 Investor-Owned Entities	113	113	113	113	113	113	113	113	113	111	111	111	111	111
74 Other Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total CER For Canada	228	228	228	228	228	228	228	228	228	225	225	225	225	225

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

**3/31/2004**

[illegible]

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 OKPD to BPA	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1
67 PGE to BPA	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.9	7.9	7.9	7.9	7.9
68 PPL to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7
69 PSE to BPA	13	13	13	13	13	13	13	13	13	12	12	12	12	12
70 Wells: Regional Totals	40	40	40	40	40	40	40	40	40	39	39	39	39	39
-Total CER For Canada-														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	99	99	99	99	99	99	99	99	99	98	98	98	98	98
73 Investor-Owned Entities	111	111	111	111	111	111	111	111	111	110	110	110	110	110
74 Other Entities	14	14	14	14	14	14	14	14	14	14	14	14	14	14
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total CER For Canada	225	225	225	225	225	225	225	225	225	223	223	223	223	223

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-BPA Canada-</b>														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Priest Rapids CER for Canada-</b>														
2 AVWP to BPA	1.4	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.3	2.3	2.3	2.3	2.3
3 COPD to BPA	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4 CWPC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 EWEB to BPA	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7 FREC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 GCPD to BPA	34	34	34	34	29	29	29	29	29	30	30	30	30	30
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	3.1	3.1	3.1	3.1	4.8	4.8	4.8	4.8	4.8	5.2	5.2	5.2	5.2	5.2
18 PPL to BPA	3.1	3.1	3.1	3.1	4.9	4.9	4.9	4.9	4.9	5.2	5.2	5.2	5.2	5.2
19 PSE to BPA	1.8	1.8	1.8	1.8	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	3.0	3.0
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.7	1.7	1.7	1.7	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Priest Rapids: Regional Totals	48	48	48	48	48	48	48	48	48	51	51	51	51	51
<b>-Wanapum CER for Canada-</b>														
26 AVWP to BPA	3.8	3.8	3.8	3.8	2	2	2	2	2	2.2	2.2	2.2	2.2	2.2
27 COPD to BPA	1.2	1.2	1.2	1.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
28 CWPC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29 EWEB to BPA	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
30 FGRV to BPA	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31 FREC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 GCPD to BPA	17	17	17	17	27	27	27	27	27	29	29	29	29	29
33 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 KITT to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 KOOT to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LVE to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38 MCMN to BPA	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
39 MTFR to BPA	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 NLEC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 PGE to BPA	8.6	8.6	8.6	8.6	4.6	4.6	4.6	4.6	4.6	4.9	4.9	4.9	4.9	4.9
42 PPL to BPA	8.6	8.6	8.6	8.6	4.6	4.6	4.6	4.6	4.6	5.0	5.0	5.0	5.0	5.0
43 PSE to BPA	5.0	5.0	5.0	5.0	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
44 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 SCL to BPA	0	0	0	0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
46 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 TPU to BPA	0	0	0	0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
48 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Wanapum: Regional Totals	46	46	46	46	46	46	46	46	46	49	49	49	49	49
<b>-Rock Island P.H. #1 CER for Canada-</b>														
50 CHPD to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.5	9.5	9.5	9.5	9.5
51 PSE to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.5	9.5	9.5	9.5	9.5
52 Rock Island P.H. #1: Regional Totals	17	17	17	17	17	17	17	17	17	19	19	19	19	19
<b>-Rock Island P.H. #2 CER for Canada-</b>														
53 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6	6	6	6	6
54 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6	6	6	6	6
55 Rock Island P.H. #2: Regional Totals	11	11	11	11	11	11	11	11	11	12	12	12	12	12
<b>-Rocky Reach CER for Canada-</b>														
56 AVWP to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
57 CHPD to BPA	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	10	10	10	10	10
58 CLKM to BPA	14	14	14	14	14	14	14	14	14	15	15	15	15	15
59 DOPD to BPA	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
60 PGE to BPA	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.1	8.1	8.1	8.1	8.1
61 PPL to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.6	3.6	3.6	3.6	3.6
62 PSE to BPA	24	24	24	24	24	24	24	24	24	26	26	26	26	26
63 Rocky Reach: Regional Totals	62	62	62	62	62	62	62	62	62	67	67	67	67	67
<b>-Wells CER for Canada-</b>														

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	13	13	13	13	13
66 OKPD to BPA	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.4	3.4	3.4	3.4	3.4
67 PGE to BPA	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.5	8.5	8.5	8.5	8.5
68 PPL to BPA	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.9	2.9
69 PSE to BPA	12	12	12	12	12	12	12	12	12	13	13	13	13	13
<b>70 Wells: Regional Totals</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>
<b>-Total CER For Canada-</b>														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	98	98	98	98	105	105	105	105	105	113	113	113	113	113
73 Investor-Owned Entities	110	110	110	110	104	104	104	104	104	112	112	112	112	112
74 Other Entities	14	14	14	14	14	14	14	14	14	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>76 Total CER For Canada</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>

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**-Wells CER for Canada-**



**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
64 AVWP to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
65 DOPD to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
66 OKPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
67 PGE to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
68 PPL to BPA	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
<b>70 Wells: Regional Totals</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>
<b>-Total CER For Canada-</b>														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	113	113	113	113	113	113	113	113	113	113	113	113	113	113
73 Investor-Owned Entities	112	112	112	112	111	111	111	111	111	110	110	110	110	110
74 Other Entities	15	15	15	15	15	15	15	15	15	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>76 Total CER For Canada</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>240</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>

3/31/2004

**-Wells CER for Canada-**

**Table A-15: Canadian Entitlement Return For Canada**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
64 AVWP to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	13	13	13	13	13	13	13	13	13	12	12	12	12	12
66 OKPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
67 PGE to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.3	8.3	8.3	8.3	8.3
68 PPL to BPA	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
<b>70 Wells: Regional Totals</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>-Total CER For Canada-</b>														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	113	113	113	113	113	113	113	113	113	111	111	111	111	111
73 Investor-Owned Entities	110	110	110	110	110	110	110	110	110	108	108	108	108	108
74 Other Entities	15	15	15	15	15	15	15	15	15	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>76 Total CER For Canada</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>238</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-BPA Canada-</b>														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Priest Rapids CER for Canada-</b>														
2 AVWP to BPA	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4 CWPC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5 EWEB to BPA	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
6 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7 FREC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 GCPD to BPA	30	30	30	30	31	31	31	31	31	30	30	30	30	30
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15 MTFR to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7
18 PPL to BPA	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7
19 PSE to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Priest Rapids: Regional Totals	50	50	50	50	50	50	50	50	50	49	49	49	49	49
<b>-Wanapum CER for Canada-</b>														
26 AVWP to BPA	2.1	2.1	2.1	2.1	2	2	2	2	2	2.0	2.0	2.0	2.0	2.0
27 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
28 CWPC to BPA	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0
29 EWEB to BPA	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
30 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31 FREC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 GCPD to BPA	29	29	29	29	29	29	29	29	29	29	29	29	29	29
33 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
39 MTFR to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 PGE to BPA	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5
42 PPL to BPA	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5
43 PSE to BPA	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6
44 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 SCL to BPA	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
46 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 TPU to BPA	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
48 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Wanapum: Regional Totals	48	48	48	48	48	48	48	48	48	47	47	47	47	47
<b>-Rock Island P.H. #1 CER for Canada-</b>														
50 CHPD to BPA	9	9	9	9	9	9	9	9	9	9	9	9	9	9
51 PSE to BPA	9	9	9	9	9	9	9	9	9	9	9	9	9	9
52 Rock Island P.H. #1: Regional Totals	18	18	18	18	18	18	18	18	18	18	18	18	18	18
<b>-Rock Island P.H. #2 CER for Canada-</b>														
53 CHPD to BPA	6	6	6	6	6	6	6	6	6	5.5	5.5	5.5	5.5	5.5
54 PSE to BPA	6	6	6	6	6	6	6	6	6	5.5	5.5	5.5	5.5	5.5
55 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	11	11	11	11	11
<b>-Rocky Reach CER for Canada-</b>														
56 AVWP to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
57 CHPD to BPA	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.7	9.7	9.7
58 CLKM to BPA	15	15	15	15	15	15	15	15	15	15	15	15	15	15
59 DOPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
60 PGE to BPA	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.7	7.7	7.7	7.7	7.7
61 PPL to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
62 PSE to BPA	25	25	25	25	25	25	25	25	25	25	25	25	25	25
63 Rocky Reach: Regional Totals	65	65	65	65	65	65	65	65	65	64	64	64	64	64
<b>-Wells CER for Canada-</b>														

**Table A-15: Canadian Entitlement Return For Canada**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 OKPD to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67 PGE to BPA	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
68 PPL to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
<b>70 Wells: Regional Totals</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>	<b>41</b>
<b>-Total CER For Canada-</b>														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	111	111	111	111	112	112	112	112	112	110	110	110	110	110
73 Investor-Owned Entities	108	108	108	108	107	107	107	107	107	106	106	106	106	106
74 Other Entities	15	15	15	15	15	15	15	15	15	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>76 Total CER For Canada</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>234</b>	<b>230</b>	<b>230</b>	<b>230</b>	<b>230</b>	<b>230</b>

**Table A-15: Canadian Entitlement Return For Canada  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

**3/31/2004**

[illegible]

<div> <div>Continued</div> <div> <div>Table A-15: Canadian Entitlement Return For Canada</div> <div>PNW Loads and Resources Study</div> <div>2013 - 2014 Operating Year</div> <div>2003 White Book</div> </div> <div>3/31/2004</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
64 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
65 DOPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 OKPD to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2
67 PGE to BPA	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.1	8.1	8.1	8.1	8.1
68 PPL to BPA	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
69 PSE to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
70 Wells: Regional Totals	41	41	41	41	41	41	41	41	41	40	40	40	40	40
-Total CER For Canada-														
71 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Public Entities	110	110	110	110	110	110	110	110	110	110	110	110	110	110
73 Investor-Owned Entities	106	106	106	106	105	105	105	105	105	105	105	105	105	105
74 Other Entities	15	15	15	15	15	15	15	15	15	15	15	15	15	15
75 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total CER For Canada	230	230	230	230	230	230	230	230	230	229	229	229	229	229

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To EWEB PwrS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5 BPA To Other Entities	1329	1329	279	54	54	54	54	54	54	4	4	4	4	54
6 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
7 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
8 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
9 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
13 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
14 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
16 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
18 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
19 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
20 Other Entities To BPA	1253	1253	1303	1203	1203	1203	1203	1203	1203	953	553	553	553	1203
21 Other Entities To GHPD	15	15	15	15	15	15	15	15	15	15	15	15	15	15
22 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26 PKE To SCL PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
27 POPD To SCL PwrS	12	12	12	12	12	12	12	12	12	12	12	12	12	12
28 PPL To AVWP S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
32 PPL To FLHD PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
34 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 SCL To POPD PwrS	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	16	14	14	12	11	11
37 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	100	100	201	201
38 TPU To BPA PwrX	35	35	35	0	0	0	35	35	35	35	35	35	35	35
39 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>40 Total Contracts</b>	<b>4231</b>	<b>4231</b>	<b>3258</b>	<b>2966</b>	<b>3137</b>	<b>3175</b>	<b>3177</b>	<b>3125</b>	<b>3013</b>	<b>2688</b>	<b>2187</b>	<b>2009</b>	<b>2232</b>	<b>2947</b>
<b>-Total Contracts Out-</b>														
41 Federal System	1919	1919	898	739	956	1010	984	940	830	753	753	581	634	698
42 Public Entities	182	182	162	129	82	88	122	119	117	115	115	113	183	184
43 Investor-Owned Entities	744	744	737	737	739	715	710	705	705	709	609	604	704	704
44 Other Entities	1386	1386	1461	1361	1361	1361	1361	1361	1361	1111	711	711	711	1361
<b>45 Total Contracts Out</b>	<b>4231</b>	<b>4231</b>	<b>3258</b>	<b>2966</b>	<b>3137</b>	<b>3175</b>	<b>3177</b>	<b>3125</b>	<b>3013</b>	<b>2688</b>	<b>2187</b>	<b>2009</b>	<b>2232</b>	<b>2947</b>
<b>-Total Contracts In-</b>														
46 Federal System	1299	1299	1372	1237	1234	1210	1245	1245	1245	999	599	599	599	1249
47 Public Entities	231	231	226	226	231	231	226	221	221	221	221	216	216	216
48 Investor-Owned Entities	1501	1501	1435	1453	1623	1683	1656	1609	1497	1467	1367	1193	1417	1432
49 Other Entities	1200	1200	225	50	50	50	50	50	50	0	0	0	0	50
<b>50 Total Contracts In</b>	<b>4231</b>	<b>4231</b>	<b>3258</b>	<b>2966</b>	<b>3137</b>	<b>3175</b>	<b>3177</b>	<b>3125</b>	<b>3013</b>	<b>2688</b>	<b>2187</b>	<b>2009</b>	<b>2232</b>	<b>2947</b>



Table A-16: Regional Intra-Regional Transfers PNW Loads and Resources Study 2005 - 2006 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To EWEB PwrS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5 BPA To Other Entities	54	54	54	54	54	54	54	54	54	4	4	4	4	54
6 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
10 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
13 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
14 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 GCPD To AVWP PwrS	0	0	0	0	15	15	15	15	14	23	23	29	30	26
16 GCPD To COPD PwrS	0	0	0	0	5	5	5	5	5	8	8	10	10	9
17 GCPD To EWEB PwrS	0	0	0	0	4	4	4	4	4	7	7	8	8	7
18 GCPD To FGRV PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2
19 GCPD To FREC PwrS	0	0	0	0	0	0	0	0	0	1	1	1	1	1
20 GCPD To KITT PwrS	0	0	0	0	1	1	1	1	1	1	1	2	2	1
21 GCPD To KOOT PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1
22 GCPD To LVE PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	0	0	0	0	1	1	1	1	1	1	1	1	1	1
24 GCPD To MCMN PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2
25 GCPD To MTRF PwrS	0	0	0	0	1	1	1	1	1	2	2	2	3	2
26 GCPD To PGE PwrS	0	0	0	0	33	33	33	33	33	53	53	67	68	59
27 GCPD To PPL PwrS	0	0	0	0	33	33	33	33	33	53	53	67	68	59
28 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
29 GCPD To PSE PwrS	0	0	0	0	19	19	19	19	19	31	31	39	39	34
30 GCPD To TPU PwrS	0	0	0	0	15	15	15	15	15	24	24	31	31	27
31 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
32 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
33 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	0	97
34 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
35 Other Entities To BPA	1203	1203	1203	1203	1203	1203	803	803	803	553	553	553	553	803
36 Other Entities To GHPD	15	15	15	15	15	15	15	15	15	15	15	15	15	15
37 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41 PKE To SCL PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
42 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
45 PPL To FLHD PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
46 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
47 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
49 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	16	14	14	12	11	11
50 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
51 TPU To BPA PwrX	35	35	35	0	0	0	35	35	35	35	35	35	35	35
52 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>53 Total Contracts</b>	<b>2906</b>	<b>2906</b>	<b>2933</b>	<b>2966</b>	<b>3268</b>	<b>3306</b>	<b>2908</b>	<b>2856</b>	<b>2743</b>	<b>2498</b>	<b>2498</b>	<b>2272</b>	<b>2404</b>	<b>2779</b>
<b>-Total Contracts Out-</b>														
54 Federal System	644	644	673	739	956	1010	984	940	830	753	753	581	634	698
55 Public Entities	182	182	162	129	213	219	253	250	247	325	325	376	452	416
56 Investor-Owned Entities	719	719	737	737	739	715	710	705	705	709	709	604	607	704
57 Other Entities	1361	1361	1361	1361	1361	1361	961	961	961	711	711	711	711	961
<b>58 Total Contracts Out</b>	<b>2906</b>	<b>2906</b>	<b>2933</b>	<b>2966</b>	<b>3268</b>	<b>3306</b>	<b>2908</b>	<b>2856</b>	<b>2743</b>	<b>2498</b>	<b>2498</b>	<b>2272</b>	<b>2404</b>	<b>2779</b>
<b>-Total Contracts In-</b>														
59 Federal System	1249	1249	1272	1237	1234	1210	845	845	845	599	599	599	599	849
60 Public Entities	231	231	226	226	262	262	257	252	252	271	271	277	280	270
61 Investor-Owned Entities	1376	1376	1385	1453	1723	1783	1756	1709	1596	1627	1627	1395	1525	1610
62 Other Entities	50	50	50	50	50	50	50	50	50	0	0	0	0	50
<b>63 Total Contracts In</b>	<b>2906</b>	<b>2906</b>	<b>2933</b>	<b>2966</b>	<b>3268</b>	<b>3306</b>	<b>2908</b>	<b>2856</b>	<b>2743</b>	<b>2498</b>	<b>2498</b>	<b>2272</b>	<b>2404</b>	<b>2779</b>

Table A-16: Regional Intra-Regional Transfers PNW Loads and Resources Study 2006 - 2007 Operating Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To EWEB PwrS	2	2	2	0	0	0	0	0	0	0	0	0	0	0
5 BPA To Other Entities	54	54	54	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
10 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
11 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
13 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
14 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 GCPD To AVWP PwrS	18	18	16	19	19	19	17	18	18	26	26	32	32	28
16 GCPD To COPD PwrS	6	6	5	6	6	6	6	6	6	9	9	11	10	9
17 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	9	9	8
18 GCPD To FGRV PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
19 GCPD To FREC PwrS	0	0	0	0	1	1	0	0	0	1	1	1	1	1
20 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
21 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To MCMN PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
25 GCPD To MTFR PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
26 GCPD To PGE PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63
27 GCPD To PPL PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63
28 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
29 GCPD To PSE PwrS	23	23	21	25	25	25	23	23	23	34	34	42	42	36
30 GCPD To TPU PwrS	19	19	17	20	20	20	18	18	18	27	27	33	33	29
31 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
32 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
33 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
34 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
35 Other Entities To BPA	803	803	803	375	375	375	0	0	0	0	0	0	0	0
36 Other Entities To GHPD	15	15	15	0	0	0	0	0	0	0	0	0	0	0
37 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41 PKE To SCL PwrS	100	100	100	100	100	100	0	0	0	0	0	0	0	0
42 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
45 PPL To FLHD PwrS	16	16	16	0	0	0	0	0	0	0	0	0	0	0
46 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
47 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
49 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	16	14	14	12	11	11
50 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
51 TPU To BPA PwrX	35	35	35	0	0	0	0	0	0	0	0	0	0	0
52 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>53 Total Contracts</b>	<b>2669</b>	<b>2669</b>	<b>2678</b>	<b>2222</b>	<b>2396</b>	<b>2434</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1672</b>	<b>1691</b>	<b>1769</b>
<b>-Total Contracts Out-</b>														
54 Federal System	644	644	673	683	900	954	928	884	774	747	747	575	628	642
55 Public Entities	345	345	307	300	256	262	243	241	242	314	314	366	433	396
56 Investor-Owned Entities	719	719	737	528	530	506	501	496	496	500	500	495	395	495
57 Other Entities	961	961	961	711	711	711	236	236	236	236	236	236	236	236
<b>58 Total Contracts Out</b>	<b>2669</b>	<b>2669</b>	<b>2678</b>	<b>2222</b>	<b>2396</b>	<b>2434</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1672</b>	<b>1691</b>	<b>1769</b>
<b>-Total Contracts In-</b>														
59 Federal System	849	849	872	409	406	382	7.5	7.5	7.5	11	11	11	11	11
60 Public Entities	271	271	260	234	240	240	129	124	127	142	142	151	150	140
61 Investor-Owned Entities	1499	1499	1496	1579	1751	1811	1772	1726	1614	1643	1643	1510	1530	1618
62 Other Entities	50	50	50	0	0	0	0	0	0	0	0	0	0	0
<b>63 Total Contracts In</b>	<b>2669</b>	<b>2669</b>	<b>2678</b>	<b>2222</b>	<b>2396</b>	<b>2434</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1672</b>	<b>1691</b>	<b>1769</b>

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
9 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
10 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
11 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28
13 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	11	10	9
14 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
15 GCPD To FGRV PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
16 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
17 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
18 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 GCPD To MCMN PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
22 GCPD To MTFR PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
23 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
24 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
25 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36
27 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29
28 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
30 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
31 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
32 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
39 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
40 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
42 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	16	14	14	12	11	11
43 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
44 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>45 Total Contracts</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1747</b>	<b>1921</b>	<b>1956</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1572</b>	<b>1792</b>	<b>1769</b>
<b>-Total Contracts Out-</b>														
46 Federal System	588	588	617	683	900	954	928	884	774	747	747	575	628	642
47 Public Entities	327	327	299	300	256	259	243	241	242	314	314	366	433	396
48 Investor-Owned Entities	510	510	528	528	530	506	501	496	496	500	500	395	495	495
49 Other Entities	236	236	236	236	236	236	236	236	236	236	236	236	236	236
<b>50 Total Contracts Out</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1747</b>	<b>1921</b>	<b>1956</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1572</b>	<b>1792</b>	<b>1769</b>
<b>-Total Contracts In-</b>														
51 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
52 Public Entities	142	142	135	134	140	137	129	124	127	142	142	151	150	140
53 Investor-Owned Entities	1508	1508	1511	1579	1751	1811	1772	1726	1614	1643	1643	1409	1631	1618
54 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>55 Total Contracts In</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1747</b>	<b>1921</b>	<b>1956</b>	<b>1908</b>	<b>1857</b>	<b>1748</b>	<b>1797</b>	<b>1797</b>	<b>1572</b>	<b>1792</b>	<b>1769</b>

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
9 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
10 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
11 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28
13 GCPD To COPD PwrS	6	6	6	6	6	6	6	6	6	9	9	11	10	9
14 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
15 GCPD To FGRV PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
16 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
17 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
18 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
21 GCPD To MCMN PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
22 GCPD To MTFR PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
23 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
24 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
25 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36
27 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29
28 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
30 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	0	97
31 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
32 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	1
36 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
39 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
40 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
42 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	16	14	14	12	11	11
43 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
44 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>45 Total Contracts</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1746</b>	<b>1920</b>	<b>1958</b>	<b>1907</b>	<b>1856</b>	<b>1747</b>	<b>1796</b>	<b>1796</b>	<b>1671</b>	<b>1593</b>	<b>1768</b>
<b>-Total Contracts Out-</b>														
46 Federal System	588	588	617	683	900	954	928	884	774	747	747	575	628	642
47 Public Entities	327	327	299	299	255	261	242	240	241	313	313	365	432	395
48 Investor-Owned Entities	510	510	528	528	530	506	501	496	496	500	500	495	298	495
49 Other Entities	236	236	236	236	236	236	236	236	236	236	236	236	236	236
<b>50 Total Contracts Out</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1746</b>	<b>1920</b>	<b>1958</b>	<b>1907</b>	<b>1856</b>	<b>1747</b>	<b>1796</b>	<b>1796</b>	<b>1671</b>	<b>1593</b>	<b>1768</b>
<b>-Total Contracts In-</b>														
51 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
52 Public Entities	142	142	135	133	139	139	128	123	126	141	141	150	149	139
53 Investor-Owned Entities	1508	1508	1511	1579	1751	1811	1772	1726	1614	1643	1643	1510	1433	1618
54 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>55 Total Contracts In</b>	<b>1661</b>	<b>1661</b>	<b>1680</b>	<b>1746</b>	<b>1920</b>	<b>1958</b>	<b>1907</b>	<b>1856</b>	<b>1747</b>	<b>1796</b>	<b>1796</b>	<b>1671</b>	<b>1593</b>	<b>1768</b>

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
9 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	50	50
10 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
11 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD To AVWP PwrS	20	20	19	19	18	18	16	16	16	24	24	30	29	26
13 GCPD To COPD PwrS	6	6	6	6	6	6	5	5	5	8	8	10	10	8
14 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	8	8	7
15 GCPD To FGRV PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
16 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
17 GCPD To KITT PwrS	1	1	1	1	1	1	0	0	0	1	1	1	1	1
18 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 GCPD To MCMN PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
22 GCPD To MTFR PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
23 GCPD To PGE PwrS	45	45	43	43	41	41	37	37	38	56	56	68	67	59
24 GCPD To PPL PwrS	45	45	43	43	41	41	37	37	38	56	56	68	67	59
25 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26 GCPD To PSE PwrS	26	26	25	25	24	24	21	22	22	32	32	39	39	34
27 GCPD To TPU PwrS	21	21	20	20	10	10	9	9	9	14	14	17	16	14
28 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
30 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
31 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
32 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 PGE To PPL Cove Repl	1	1	1	1	1	1	1	1	1	1	1	1	1	0
36 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
39 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
40 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
42 SHPD To PSE PwrS	11	11	11	13	16	22	21	18	0	0	0	0	0	0
43 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	100	100	201	201	201
44 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>45 Total Contracts</b>	<b>1660</b>	<b>1660</b>	<b>1679</b>	<b>1746</b>	<b>1899</b>	<b>1937</b>	<b>1887</b>	<b>1836</b>	<b>1710</b>	<b>1655</b>	<b>1655</b>	<b>1622</b>	<b>1742</b>	<b>1727</b>
<b>-Total Contracts Out-</b>														
46 Federal System	588	588	617	683	900	954	928	884	774	747	747	575	628	642
47 Public Entities	326	326	298	299	234	240	222	220	204	273	273	316	383	355
48 Investor-Owned Entities	510	510	528	528	530	506	501	496	496	400	400	495	495	494
49 Other Entities	236	236	236	236	236	236	236	236	236	236	236	236	236	236
<b>50 Total Contracts Out</b>	<b>1660</b>	<b>1660</b>	<b>1679</b>	<b>1746</b>	<b>1899</b>	<b>1937</b>	<b>1887</b>	<b>1836</b>	<b>1710</b>	<b>1655</b>	<b>1655</b>	<b>1622</b>	<b>1742</b>	<b>1727</b>
<b>-Total Contracts In-</b>														
51 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
52 Public Entities	141	141	134	133	126	126	117	112	112	127	127	128	127	122
53 Investor-Owned Entities	1508	1508	1511	1579	1743	1803	1763	1717	1591	1517	1517	1483	1604	1594
54 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>55 Total Contracts In</b>	<b>1660</b>	<b>1660</b>	<b>1679</b>	<b>1746</b>	<b>1899</b>	<b>1937</b>	<b>1887</b>	<b>1836</b>	<b>1710</b>	<b>1655</b>	<b>1655</b>	<b>1622</b>	<b>1742</b>	<b>1727</b>

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
8 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
9 CHPD To PGE C/N/X	50	50	50	50	0	0	0	0	0	0	0	0	0	0
10 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
11 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GCPD To AVWP PwrS	18	18	18	17	18	18	16	16	16	24	24	30	29	26
13 GCPD To COPD PwrS	6	6	6	6	6	6	5	5	5	8	8	10	10	8
14 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	8	8	7
15 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
16 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
17 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1
18 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 GCPD To MCMN PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
22 GCPD To MTFR PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
23 GCPD To PGE PwrS	42	42	40	40	41	41	37	37	38	56	56	68	67	59
24 GCPD To PPL PwrS	42	42	40	40	41	41	37	37	38	56	56	68	67	59
25 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26 GCPD To PSE PwrS	24	24	23	23	24	24	21	22	22	32	32	39	39	34
27 GCPD To TPU PwrS	10	10	10	10	10	10	9	9	9	14	14	17	16	14
28 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
30 NWE To PSE PwrS	97	97	97	97	97	97	0	0	0	0	0	0	0	0
31 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0
32 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PGE To CHPD PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 PGE To CHPD XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
38 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
39 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
41 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	100	100	201	201
42 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>43 Total Contracts</b>	<b>1626</b>	<b>1626</b>	<b>1644</b>	<b>1708</b>	<b>1882</b>	<b>1914</b>	<b>1668</b>	<b>1620</b>	<b>1512</b>	<b>1558</b>	<b>1457</b>	<b>1324</b>	<b>1494</b>	<b>1480</b>
<b>-Total Contracts Out-</b>														
44 Federal System	588	588	617	683	900	954	928	884	774	747	747	575	628	642
45 Public Entities	293	293	264	262	218	218	201	202	204	273	273	316	333	305
46 Investor-Owned Entities	509	509	527	527	529	505	403	398	398	402	302	297	397	397
47 Other Entities	236	236	236	236	236	236	136	136	136	136	136	136	136	136
<b>48 Total Contracts Out</b>	<b>1626</b>	<b>1626</b>	<b>1644</b>	<b>1708</b>	<b>1882</b>	<b>1914</b>	<b>1668</b>	<b>1620</b>	<b>1512</b>	<b>1558</b>	<b>1457</b>	<b>1324</b>	<b>1494</b>	<b>1480</b>
<b>-Total Contracts In-</b>														
49 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
50 Public Entities	129	129	120	119	126	126	117	112	112	127	127	128	127	122
51 Investor-Owned Entities	1486	1486	1490	1555	1726	1780	1544	1501	1393	1419	1319	1184	1356	1347
52 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>53 Total Contracts In</b>	<b>1626</b>	<b>1626</b>	<b>1644</b>	<b>1708</b>	<b>1882</b>	<b>1914</b>	<b>1668</b>	<b>1620</b>	<b>1512</b>	<b>1558</b>	<b>1457</b>	<b>1324</b>	<b>1494</b>	<b>1480</b>

**Table A-16: Regional Intra-Regional Transfers**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL CapS	575	575	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
9 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
10 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GCPD To AVWP PwrS	18	18	18	0	0	0	0	0	0	0	0	0	0	0
12 GCPD To COPD PwrS	6	6	6	0	0	0	0	0	0	0	0	0	0	0
13 GCPD To EWEB PwrS	5	5	5	0	0	0	0	0	0	0	0	0	0	0
14 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
15 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
18 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
19 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 GCPD To MCMN PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
21 GCPD To MTFR PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To PGE PwrS	42	42	40	0	0	0	0	0	0	0	0	0	0	0
23 GCPD To PPL PwrS	42	42	40	0	0	0	0	0	0	0	0	0	0	0
24 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
25 GCPD To PSE PwrS	24	24	23	0	0	0	0	0	0	0	0	0	0	0
26 GCPD To TPU PwrS	10	10	10	0	0	0	0	0	0	0	0	0	0	0
27 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
29 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
33 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
34 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
36 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>37 Total Contracts</b>	<b>1331</b>	<b>1331</b>	<b>774</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>910</b>	<b>861</b>	<b>751</b>	<b>728</b>	<b>728</b>	<b>451</b>	<b>625</b>	<b>640</b>
<b>-Total Contracts Out-</b>														
38 Federal System	588	588	42	108	325	379	353	309	199	172	172	0.1	53	67
39 Public Entities	195	195	166	18	18	18	18	18	18	18	18	18	39	40
40 Investor-Owned Entities	412	412	430	430	432	408	403	398	398	402	402	297	397	397
41 Other Entities	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>42 Total Contracts Out</b>	<b>1331</b>	<b>1331</b>	<b>774</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>910</b>	<b>861</b>	<b>751</b>	<b>728</b>	<b>728</b>	<b>451</b>	<b>625</b>	<b>640</b>
<b>-Total Contracts In-</b>														
43 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
44 Public Entities	81	81	72	45	50	50	45	40	40	40	40	35	35	35
45 Investor-Owned Entities	1239	1239	668	613	830	884	858	814	704	676	676	404	579	594
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>47 Total Contracts In</b>	<b>1331</b>	<b>1331</b>	<b>774</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>910</b>	<b>861</b>	<b>751</b>	<b>728</b>	<b>728</b>	<b>451</b>	<b>625</b>	<b>640</b>

**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
8 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
9 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
11 NWCP To PSE PwrS	4	4	4	4	4	4	0	0	0	0	0	0	0	0
12 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
13 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
16 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
17 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
19 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>20 Total Contracts</b>	<b>599</b>	<b>599</b>	<b>626</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>547</b>	<b>520</b>	<b>636</b>
<b>-Total Contracts Out-</b>														
21 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	53	67
22 Public Entities	38	38	18	18	18	18	14	14	14	14	14	14	35	36
23 Investor-Owned Entities	412	412	430	430	432	408	403	398	398	402	402	397	297	397
24 Other Entities	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>25 Total Contracts Out</b>	<b>599</b>	<b>599</b>	<b>626</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>547</b>	<b>520</b>	<b>636</b>
<b>-Total Contracts In-</b>														
26 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
27 Public Entities	50	50	45	45	50	50	45	40	40	40	40	35	35	35
28 Investor-Owned Entities	538	538	547	613	830	884	854	810	700	672	672	501	474	590
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>30 Total Contracts In</b>	<b>599</b>	<b>599</b>	<b>626</b>	<b>692</b>	<b>910</b>	<b>942</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>547</b>	<b>520</b>	<b>636</b>



**Table A-16: Regional Intra-Regional Transfers  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Intra-Regional Transfers-</b>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
8 CIDF To UPL PwrS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
9 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
11 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
12 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
15 PPL To SUB PwrS	50	50	45	45	50	50	45	40	40	40	40	35	35	35
16 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
18 WSPE To PGE PwrS	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>19 Total Contracts</b>	<b>595</b>	<b>595</b>	<b>622</b>	<b>688</b>	<b>906</b>	<b>938</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>447</b>	<b>586</b>	<b>603</b>
<b>-Total Contracts Out-</b>														
20 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
21 Public Entities	34	34	14	14	14	14	14	14	14	14	14	14	35	36
22 Investor-Owned Entities	412	412	430	430	432	408	403	398	398	402	402	297	397	397
23 Other Entities	136	136	136	136	136	136	136	136	136	136	136	136	136	136
<b>24 Total Contracts Out</b>	<b>595</b>	<b>595</b>	<b>622</b>	<b>688</b>	<b>906</b>	<b>938</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>447</b>	<b>586</b>	<b>603</b>
<b>-Total Contracts In-</b>														
25 Federal System	11	11	34	34	31	7.5	7.5	7.5	7.5	11	11	11	11	11
26 Public Entities	50	50	45	45	50	50	45	40	40	40	40	35	35	35
27 Investor-Owned Entities	534	534	543	609	826	880	854	810	700	672	672	400	540	557
28 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>29 Total Contracts In</b>	<b>595</b>	<b>595</b>	<b>622</b>	<b>688</b>	<b>906</b>	<b>938</b>	<b>906</b>	<b>857</b>	<b>747</b>	<b>724</b>	<b>724</b>	<b>447</b>	<b>586</b>	<b>603</b>

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1058	1049	1059	1064	1058	1045	1051	1060	1047	1024	1009	1033	1062	1064
2 Total Federal Entities	1058	1049	1059	1064	1058	1045	1051	1060	1047	1024	1009	1033	1062	1064
-Generating Public Entities-														
3 Chelan County PUD #1	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Cowlitz County PUD #1	6.4	6.3	6.1	6.4	5.9	5.4	5.2	4.9	5.1	5.2	4.7	5.5	6.4	6.4
6 Douglas County PUD #1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
7 Eugene Water & Electric Board	5.1	5.1	5.1	5.0	4.8	4.8	4.6	4.9	6	6.6	6.6	6.9	6.6	6.2
8 Grant County PUD #2	33	33	33	33	33	33	33	33	33	33	33	33	33	33
9 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Okanogan County PUD #1	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
11 Pend Oreille County PUD #1	4.2	4.2	4.2	4.0	4.1	4.1	4.2	4.2	4.2	4.1	4	4.0	4.0	4.1
12 Seattle City Light	86	83	87	82	86	85	50	73	84	83	83	86	94	86
13 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
14 Tacoma Public Utilities	40	39	44	39	43	42	38	31	26	28	34	18	43	36
15 Total Generating Public Entities	224	220	228	217	226	223	184	200	208	209	213	203	236	220
-Non-Generating Public Entities-														
16 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Benton County PUD #1	0.8	0.8	0.8	0	0	0	0	0	0	0	0	0	0	0
18 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
19 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
20 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Clearwater Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Energy Northwest	0	0	0	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
25 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26 Forest Grove, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
27 Franklin County PUD #1	0.7	0.7	0.7	0	0	0	0	0	0	0	0	0	0	0
28 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Idaho Falls, City of	1.0	1.0	0.8	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1	1	1.1
30 Kittitas County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
31 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
32 Kootenai Electric Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Lower Valley Energy	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 McMinnville, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38 Milton Freewater, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
39 Northern Lights	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 Northern Wasco County PUD	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Port Angeles, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 United Electric Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 Total Non-Generating Public Entities	6.1	6.1	5.9	5.8	5.6	5.8	5.8	5.8	6.2	6.2	6.2	6.1	6.1	6.2
-Investor-Owned Entities-														
50 Avista Corp (WWP Division)	58	58	58	58	58	58	58	57	57	57	57	57	58	58
51 Idaho Power Company	84	85	82	82	75	75	81	72	79	84	85	87	79	88
52 Northwestern Energy LLC (MPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0.1	0.1	0.1
53 Pacific Power	64	64	63	63	62	61	59	56	57	59	57	54	64	65
54 Portland General Electric	55	55	55	55	55	55	55	55	55	55	55	55	55	55
55 Puget Sound Energy	77	77	77	77	76	76	76	74	74	74	74	69	77	77
56 Total Investor-Owned Entities	338	339	336	336	326	325	328	314	323	329	329	323	333	343
-Other Entities-														
57 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
58 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
60 Total Other Entities	22	22	22	22	22	22	22	22	22	22	22	22	22	22
Small Thermal & Misc. Reserves														
-Federal Entities-														
61 BPA - Power Business	3.1	3.1	2.3	3.1	3.5	3.2	3.3	3.2	3.2	3.2	3.2	3.8	3	2.9
62 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	4.6	4.6	3.8	4.6	5	4.7	4.8	4.7	4.7	4.7	4.7	5.3	4.5	4.4
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.5	8.5	8.5	8.5	8.5	8.5	8.5	4.1	4.1	4.1	4.1	2.5	4.1	8.5
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0	11	12	12
97 Northwestern Energy LLC (MPC)	2	2	2.1	4.7	4.4	4.5	4.5	4.4	4.3	4.2	4.2	4.7	4.8	4.7
98 Pacific Power	29	29	29	29	29	29	28	29	29	29	29	3.6	29	29
99 Portland General Electric	38	38	39	39	41	41	41	41	41	40	40	40	39	38
100 Puget Sound Energy	80	80	80	80	80	80	80	73	73	73	73	57	73	80
101 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
102 Utah Power	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3
103 Total Investor-Owned Entities	197	197	197	199	200	199	198	193	193	194	194	120	195	201
-Other Entities-														
104 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
105 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
106 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
109 Klamath Pacific Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
110 Longview Fibre	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
111 Mirant Americas Energy Marketing, L.P.	7	7	7	7	7	7	7	7	7	7	7	0	7	7
112 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
114 Total Other Entities	111	111	111	111	111	111	111	111	80	93	93	99	80	111
Large Thermal Reserves														
-Federal Entities-														
115 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
116 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
-Generating Public Entities-														
117 Turlock Irrigation District	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
118 Total Generating Public Entities	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
-Non-Generating Public Entities-														
119 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	33	33	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	133	126	145	145	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	33	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	234	234	234	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	44	99	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	79	79	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	848	673	692	770	845	868
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Pacific Power	31	31	19	22	24	36	35	34	28	28	28	30	31	34
135 Total Investor-Owned Entities	31	31	19	22	24	36	35	34	28	28	28	30	31	34
<b>-Other Entities-</b>														
136 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
137 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
138 Total Small Thermal & Misc Reserves	354	354	349	348	347	345	345	333	302	322	322	246	316	357
139 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1029	846	865	770	853	1049
140 Total Contract Reserves	31	31	19	22	24	36	35	34	28	28	28	30	31	34
141 Total Capacity Reserves	3080	3069	3067	3063	3058	3050	3019	3017	2963	2787	2795	2631	2859	3095

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**3/31/2004**

[illegible]

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	4.6	4.6	3.8	4.6	5	4.7	4.8	4.7	4.7	4.7	4.7	5.3	4.5	4.4
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	12	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	30	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.5	8.5	8.5	8.5	8.5	8.5	8.2	3.8	3.8	3.8	3.8	2.1	3.8	8.2
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0	11	12	12
97 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.4	4.5	4.5	4.4	4.3	4.2	4.2	4.7	4.8	4.7
98 Pacific Power	29	29	29	29	29	29	28	29	29	29	29	3.6	29	29
99 Portland General Electric	38	38	39	40	41	41	41	41	40	40	40	39	38	38
100 Puget Sound Energy	80	80	80	80	80	80	80	73	73	73	73	57	73	80
101 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
102 Utah Power	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3
103 Total Investor-Owned Entities	200	200	200	200	200	199	198	192	192	194	193	120	195	201
-Other Entities-														
104 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
105 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
106 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
109 Klamath Pacific Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
110 Longview Fibre	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
111 Mirant Americas Energy Marketing, L.P.	7	7	7	7	7	7	7	7	7	7	7	0	7	7
112 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
114 Total Other Entities	111	111	111	111	111	111	111	111	80	93	93	99	80	111
Large Thermal Reserves														
-Federal Entities-														
115 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
116 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
-Generating Public Entities-														
117 Turlock Irrigation District	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
118 Total Generating Public Entities	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
-Non-Generating Public Entities-														
119 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	33	33	17
121 Idaho Power Company	153	153	153	153	153	153	153	153	114	145	119	145	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	33	0
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	181	234	234	223
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	44	99	77
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	79	102	74
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	829	793	713	669	868	757
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Pacific Power	32	32	29	29	34	35	35	33	24	26	26	18	31	30
135 Total Investor-Owned Entities	32	32	29	29	34	35	35	33	24	26	26	18	31	30
<b>-Other Entities-</b>														
136 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
137 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
138 Total Small Thermal & Misc Reserves	356	356	352	348	347	345	345	332	302	322	322	257	316	357
139 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1010	965	886	842	1049	938
140 Total Contract Reserves	32	32	29	29	34	35	35	33	24	26	26	18	31	30
141 Total Capacity Reserves	3084	3073	3080	3070	3068	3049	3017	3016	2940	2903	2812	2703	3054	2980

**3/31/2004**



**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	3.1	3.1	3.1	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	12	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	30	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.2	8.2	8.2	8.2	8.2	8.2	8.2	3.8	3.8	3.8	3.8	2.1	3.8	8.2
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0	11	12	12
97 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.4	4.5	4.5	4.5	4.3	4.2	4.2	5	5.2	4.7
98 Pacific Power	29	29	29	29	29	29	28	29	29	29	29	3.6	29	29
99 Portland General Electric	38	39	40	40	41	41	41	41	40	40	39	39	38	38
100 Puget Sound Energy	80	80	80	80	80	80	80	73	73	73	73	57	73	80
101 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
102 Utah Power	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3
103 Total Investor-Owned Entities	200	201	201	200	200	199	198	192	192	193	193	120	195	201
-Other Entities-														
104 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
105 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
106 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
109 Klamath Pacific Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
110 Longview Fibre	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
111 Mirant Americas Energy Marketing, L.P.	7	7	7	7	7	7	7	7	7	7	7	0	7	7
112 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
114 Total Other Entities	111	111	111	111	111	111	111	111	80	93	93	99	80	111
Large Thermal Reserves														
-Federal Entities-														
115 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
116 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
-Generating Public Entities-														
117 Turlock Irrigation District	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
118 Total Generating Public Entities	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
-Non-Generating Public Entities-														
119 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	17	33	33	33	33	33	33	33	33	17	17	17	33	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	133	145	100	119	100	127
122 Northwestern Energy LLC (MPC)	0	33	33	33	33	33	33	33	33	33	33	33	33	33
123 Pacific Power	223	234	234	234	234	234	234	234	234	223	170	170	128	181
124 Portland General Electric	77	99	99	99	99	99	99	99	99	22	22	22	99	99
125 Puget Sound Energy	74	102	102	102	102	102	102	102	102	74	74	51	102	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	757	868	868	868	868	868	868	868	848	715	617	512	709	788
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Pacific Power	19	19	20	20	24	26	25	23	17	18	18	13	21	21
135 Total Investor-Owned Entities	19	19	20	20	24	26	25	23	17	18	18	13	21	21
<b>-Other Entities-</b>														
136 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
137 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
138 Total Small Thermal & Misc Reserves	355	355	352	349	347	346	346	333	303	323	322	257	317	359
139 Total Large Thermal Reserves	938	1049	1049	1049	1049	1049	1049	1049	1029	888	789	512	717	969
140 Total Contract Reserves	19	19	20	20	24	26	25	23	17	18	18	13	21	21
141 Total Capacity Reserves	2958	3058	3071	3062	3058	3041	3008	3007	2953	2819	2709	2368	2714	3004

**3/31/2004**

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.2	8.2	8.2	8.2	8.2	8.2	8.2	3.8	3.8	3.8	3.8	2.1	3.8	8.2
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0	11	12	12
97 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.4	4.5	4.6	4.5	4.3	4.2	4.2	5	4.8	4.7
98 Pacific Power	29	29	29	29	29	29	28	29	29	29	29	3.6	29	29
99 Portland General Electric	39	39	40	40	41	41	41	41	40	39	39	39	39	39
100 Puget Sound Energy	80	80	80	80	80	80	80	73	73	73	73	69	73	80
101 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
102 Utah Power	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3
103 Total Investor-Owned Entities	201	201	201	200	200	199	198	192	192	193	193	132	195	202
-Other Entities-														
104 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
105 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
106 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
109 Klamath Pacific Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
110 Longview Fibre	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
111 Mirant Americas Energy Marketing, L.P.	7	7	7	7	7	7	7	7	7	7	7	0	7	7
112 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
114 Total Other Entities	111	111	111	111	111	111	111	111	80	93	93	99	80	111
Large Thermal Reserves														
-Federal Entities-														
115 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
116 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
-Generating Public Entities-														
117 Turlock Irrigation District	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
118 Total Generating Public Entities	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
-Non-Generating Public Entities-														
119 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	33	33	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	134	145	125	99	127	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	33	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	234	181	181	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	44	99	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	56	79	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	849	793	773	547	765	868
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Pacific Power	24	24	15	20	23	30	21	27	22	22	22	20	25	27
135 Total Investor-Owned Entities	24	24	15	20	23	30	21	27	22	22	22	20	25	27
<b>-Other Entities-</b>														
136 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
137 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
138 Total Small Thermal & Misc Reserves	358	358	354	349	347	345	345	333	302	322	322	257	317	359
139 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1030	965	945	719	946	1049
140 Total Contract Reserves	24	24	15	20	23	30	21	27	22	22	22	20	25	27
141 Total Capacity Reserves	3078	3066	3068	3063	3057	3045	3004	3011	2958	2900	2869	2582	2947	3090

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**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	12	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	30	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.2	8.2	8.2	8.2	8.2	8.2	8.2	3.8	3.8	3.8	3.8	2.1	3.8	8.2
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0	11	12	12
97 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.4	4.5	4.6	4.5	4.3	4.2	4.2	5	4.9	4.7
98 Pacific Power	29	29	29	29	29	29	28	29	29	29	29	3.6	29	29
99 Portland General Electric	39	40	40	40	41	41	41	40	40	39	39	39	39	39
100 Puget Sound Energy	80	80	80	80	80	80	80	73	73	73	73	69	73	80
101 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
102 Utah Power	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.3
103 Total Investor-Owned Entities	201	202	201	200	200	199	198	192	192	193	193	132	196	202
-Other Entities-														
104 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
105 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
106 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
109 Klamath Pacific Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
110 Longview Fibre	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
111 Mirant Americas Energy Marketing, L.P.	7	7	7	7	7	7	7	7	7	7	7	0	7	7
112 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
114 Total Other Entities	111	111	111	111	111	111	111	111	80	93	93	99	80	111
Large Thermal Reserves														
-Federal Entities-														
115 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
116 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
-Generating Public Entities-														
117 Turlock Irrigation District	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
118 Total Generating Public Entities	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0	0	0	8.3	8.3
-Non-Generating Public Entities-														
119 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	17	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	133	145	100	100	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	181	170	223	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	22	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	51	51	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	848	793	694	493	734	868
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Pacific Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Other Entities-</b>														
136 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
137 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
138 Total Small Thermal & Misc Reserves	358	358	354	349	347	345	345	332	302	322	322	270	318	360
139 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1029	965	867	493	742	1049
140 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Total Capacity Reserves	3054	3043	3054	3042	3034	3014	2983	2983	2935	2877	2768	2349	2718	3064



**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**3/31/2004**

[illegible]

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	12	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	30	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.2	8.2	8.2	8.2	8.2	8.2	8.1	3.7	3.7	3.7	3.7	2.1	3.7	8.1
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0			

<div> <div>Continued</div> <div> <div>Table A-17: Regional Capacity Reserves</div> <div>PNW Loads and Resources Study</div> <div>2009 - 2010 Operating Year</div> <div>1937 Water Year</div> <div>[22] 2003 White Book</div> </div> <div>3/31/2004</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	17	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	133	145	145	126	127	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	234	223	170	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	22	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	51	51	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	848	692	692	673	654	868
-Other Entities-														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Reserves														
-Federal Entities-														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Generating Public Entities-														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
135 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
136 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
137 Total Small Thermal & Misc Reserves	358	346	342	337	334	333	333	320	289	310	310	258	306	348
138 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1029	865	865	846	835	1049
139 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Capacity Reserves	3054	3030	3041	3030	3021	3002	2971	2971	2923	2765	2754	2689	2800	3051

**3/31/2004**

**3/31/2004**

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
<b>-Generating Public Entities-</b>														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
<b>-Non-Generating Public Entities-</b>														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.1	8.1	8.1	8.1	8.1	8.1	8.1	3.7	3.7	3.7	3.7	2.1	3.7	8.1
<b>-Investor-Owned Entities-</b>														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0				

<div> <div>Continued</div> <div> <div>Table A-17: Regional Capacity Reserves</div> <div>PNW Loads and Resources Study</div> <div>2010 - 2011 Operating Year</div> <div>1937 Water Year</div> <div>[22] 2003 White Book</div> </div> <div>3/31/2004</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	33	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	153	99	119	100	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	181	181	181	223	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	44	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	79	51	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	868	593	613	671	734	868
-Other Entities-														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Reserves														
-Federal Entities-														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Generating Public Entities-														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
135 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
136 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
137 Total Small Thermal & Misc Reserves	346	346	342	349	347	345	345	332	302	323	323	259	318	360
138 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1049	765	785	671	742	1049
139 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Capacity Reserves	3042	3030	3041	3042	3034	3014	2983	2983	2955	2678	2688	2516	2719	3064

**3/31/2004**

**3/31/2004**

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
<b>-Generating Public Entities-</b>														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
<b>-Non-Generating Public Entities-</b>														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.1	8.1	8.1	8.1	8.1	8.1	8.1	3.7	3.7	3.7	3.7	2.1	3.7	8.1
<b>-Investor-Owned Entities-</b>														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0				



<div> <div>Continued</div> <div> <div>Table A-17: Regional Capacity Reserves</div> <div>PNW Loads and Resources Study</div> <div>2011 - 2012 Operating Year</div> <div>1937 Water Year</div> <div>[22] 2003 White Book</div> </div> <div>3/31/2004</div> </div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	17	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	133	145	126	119	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	234	170	223	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	22	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	51	51	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	848	793	774	512	734	868
-Other Entities-														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Reserves														
-Federal Entities-														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Generating Public Entities-														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
135 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
136 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
137 Total Small Thermal & Misc Reserves	358	358	354	349	347	345	345	332	303	323	324	259	318	360
138 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1029	965	946	685	915	1049
139 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Capacity Reserves	3054	3042	3053	3042	3034	3014	2983	2983	2936	2879	2849	2529	2892	3064

**3/31/2004**

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
-Generating Public Entities-														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
-Non-Generating Public Entities-														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.1	8.1	8.1	8.1	8.1	8.1	8.1	3.7	3.7	3.7	3.7	2.1	3.7	8.1
-Investor-Owned Entities-														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0	10.0			

<div> <div>Continued</div> <div> <div>Table A-17: Regional Capacity Reserves</div> <div>PNW Loads and Resources Study</div> <div>2012 - 2013 Operating Year</div> <div>1937 Water Year</div> <div>[22] 2003 White Book</div> </div> <div>3/31/2004</div> </div> <div></div>														
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	33	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	134	119	99	125	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	181	181	234	223	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	44	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	79	74	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	849	713	693	649	757	868
-Other Entities-														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Reserves														
-Federal Entities-														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Generating Public Entities-														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
135 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
136 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
137 Total Small Thermal & Misc Reserves	358	358	354	349	346	345	345	332	303	324	324	259	319	360
138 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1030	886	866	649	765	1049
139 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Capacity Reserves	3054	3042	3053	3042	3033	3014	2983	2984	2937	2800	2769	2494	2743	3064

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**3/31/2004**

[illegible]

**Table A-17: Regional Capacity Reserves  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
[22] 2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
64 Total Federal Entities	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5
<b>-Generating Public Entities-</b>														
65 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Clark County PUD #1	12	12	12	12	12	12	12	12	12	12	12	0	12	12
67 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Eugene Water & Electric Board	1	1	1	1.3	1.3	0.2	1	1	1.1	1.5	1.5	2.8	2.8	0.5
70 Grant County PUD #2	2.3	2.3	2.2	2	1.6	1.6	1.6	1.6	2.0	2.3	2.3	2.4	2.4	2.3
71 Grays Harbor PUD #1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	2.3	2.3	2.3	2.3	1.2	2.3	4.8
72 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Seattle City Light	6	6	3.8	1.4	0.2	0.2	0.5	0.6	1.3	4.4	4.4	6.7	7.1	6.9
74 Snohomish County PUD #1	2.2	2.2	2.2	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2
75 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
77 Total Generating Public Entities	32	32	28	24	22	21	22	20	21	27	27	18	32	32
<b>-Non-Generating Public Entities-</b>														
78 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Benton County PUD #1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	1.4	1.4	1.4	1.4	1.4	1.4	4.1
80 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
82 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 Franklin County PUD #1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.1	1.1	1.1	1.1	0	1.1	2.8
87 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
88 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Mason County PUD #3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Tillamook PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Total Non-Generating Public Entities	8.1	8.1	8.1	8.1	8.1	8.1	8.1	3.7	3.7	3.7	3.7	2.1	3.7	8.1
<b>-Investor-Owned Entities-</b>														
95 Avista Corp (WWP Division)	24	24	24	24	24	24	24	24	24	24	24	3.7	24	24
96 Idaho Power Company	11	11	11	9.1	8.4	7.3	7.3	7.6	8.4	10.0				

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
120 Avista Corp (WWP Division)	33	33	33	33	33	33	33	33	33	33	33	17	17	33
121 Idaho Power Company	153	153	153	153	153	153	153	153	134	145	125	125	153	153
122 Northwestern Energy LLC (MPC)	33	33	33	33	33	33	33	33	33	33	33	33	0	33
123 Pacific Power	234	234	234	234	234	234	234	234	234	234	234	223	223	234
124 Portland General Electric	99	99	99	99	99	99	99	99	99	44	44	22	77	99
125 Puget Sound Energy	102	102	102	102	102	102	102	102	102	102	102	51	51	102
126 San Diego Gas & Electric	12	12	12	12	12	12	12	12	12	0	0	0	12	12
127 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
128 Total Investor-Owned Entities	868	868	868	868	868	868	868	868	849	793	773	572	734	868
<b>-Other Entities-</b>														
129 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Contract Reserves</b>														
<b>-Federal Entities-</b>														
130 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
131 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Non-Generating Public Entities-</b>														
132 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Investor-Owned Entities-</b>														
133 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Other Entities-</b>														
135 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Total Capacity Reserves-</b>														
136 Total Hydro Reserves	1647	1636	1650	1644	1638	1620	1589	1602	1605	1590	1579	1586	1659	1655
137 Total Small Thermal & Misc Reserves	358	358	354	348	334	332	345	333	304	324	324	259	318	359
138 Total Large Thermal Reserves	1049	1049	1049	1049	1049	1049	1049	1049	1030	965	945	744	915	1049
139 Total Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140 Total Capacity Reserves	3054	3042	3053	3041	3021	3001	2983	2984	2938	2880	2849	2589	2891	3063

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2004 - 2005 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>



**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2007 - 2008 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2008 - 2009 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2009 - 2010 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>



**Table A-18: Wells and Chelan Allocation**  
**PNW Loads and Resources Study**  
**2013 - 2014 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Wells-</b>														
1 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
<b>2 Wells Before Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Wells-</b>														
3 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 DOPD Share	233	233	233	233	233	233	233	233	233	233	233	233	233	233
5 OKPD Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
6 PGE Share	177	177	177	177	177	177	177	177	177	177	177	177	177	177
7 PPL Share	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 PSE Share	271	271	271	271	271	271	271	271	271	271	271	271	271	271
<b>9 Wells After Enc</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>-Chelan-</b>														
10 Chelan	54	54	54	53	53	52	51	50	50	49	49	50	52	54
<b>11 Chelan Before Enc</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>52</b>	<b>51</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>49</b>	<b>50</b>	<b>52</b>	<b>54</b>
<b>-Chelan-</b>														
12 CHPD Share	58	58	58	57	57	56	55	54	54	53	53	54	56	58
<b>13 Chelan After Enc</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>	<b>56</b>	<b>55</b>	<b>54</b>	<b>54</b>	<b>53</b>	<b>53</b>	<b>54</b>	<b>56</b>	<b>58</b>

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**3/31/2004**

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3/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Wanapum-</b>														
1 Wanapum	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 Wanapum Before Enc	986	986	986	986	986	986	986	986	986	986	986	986	986	986
<b>-Wanapum-</b>														
3 AVWP Share	75	75	75	75	75	75	75	75	75	75	75	75	75	75
4 COPD Share	25	25	25	25	25	25	25	25	25	25	25	25	25	25
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	21	21	21	21	21	21	21	21	21	21	21	21	21	21
7 FGRV Share	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	332	332	332	332	332	332	332	332	332	332	332	332	332	332
10 ICLP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KITT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 KOOT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
16 MTRF Share	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	170	170	170	170	170	170	170	170	170	170	170	170	170	170
19 PPL Share	170	170	170	170	170	170	170	170	170	170	170	170	170	170
20 PSE Share	98	98	98	98	98	98	98	98	98	98	98	98	98	98
21 RREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TPU Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
<b>-Priest Rapids-</b>														
27 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
28 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
<b>-Priest Rapids-</b>														
29 AVWP Share	26	26	26	26	26	26	26	26	26	26	26	26	26	26
30 COPD Share	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
31 CWPC Share	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
32 EWEB Share	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
33 FGRV Share	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
34 FREC Share	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
35 GCPD Share	628	628	628	628	628	62								



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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 Wanapum Before Enc	986	986	986	986	986	986	986	986	986	986	986	986	986	986
-Wanapum-														
3 AVWP Share	75	75	75	75	40	40	40	40	40	40	40	40	40	40
4 COPD Share	25	25	25	25	13	13	13	13	13	13	13	13	13	13
5 CWPC Share	0	0	0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6 EWEB Share	21	21	21	21	11	11	11	11	11	11	11	11	11	11
7 FGRV Share	6.4	6.4	6.4	6.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
8 FREC Share	0	0	0	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9 GCPD Share	332	332	332	332	543	543	543	543	543	543	543	543	543	543
10 ICLP Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11 KITT Share	0	0	0	0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12 KOOT Share	0	0	0	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 LVE Share	0	0	0	0	2	2	2	2	2	2	2	2	2	2
15 MCMN Share	6.4	6.4	6.4	6.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
16 MTRF Share	6.4	6.4	6.4	6.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
17 NLEC Share	0	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	170	170	170	170	92	92	92	92	92	92	92	92	92	92
19 PPL Share	170	170	170	170	92	92	92	92	92	92	92	92	92	92
20 PSE Share	98	98	98	98	53	53	53	53	53	53	53	53	53	53
21 RREC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22 SCL Share	0	0	0	0	23	23	23	23	23	23	23	23	23	23
23 SLEC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	0	0	0	0	23	23	23	23	23	23	23	23	23	23
25 UNEC Share	0	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
27 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
28 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
29 AVWP Share	26	26	26	26	40	40	40	40	40	40	40	40	40	40
30 COPD Share	8.5	8.5	8.5	8.5	13	13	13	13	13	13	13	13	13	13
31 CWPC Share	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
32 EWEB Share	7.2	7.2	7.2	7.2	11	11	11	11	11	11	11	11	11	11
33 FGRV Share	2.1	2.1	2.1	2.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
34 FREC Share	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
35 GCPD Share	628	628	628	628	535	535	535	535	535	535	535	535	535	535
36 ICLP Share	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
37 KITT Share	1.5	1.5	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
38 KOOT Share	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
39 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 LVE Share	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
41 MCMN Share	2.1	2.1	2.1	2.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
42 MTRF Share	2.1	2.1	2.1	2.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
43 NLEC Share	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
44 PGE Share	59	59	59	59	91	91	91	91	91	91	91	91	91	91
45 PPL Share	59	59	59	59	91	91	91	91	91	91	91	91	91	91
46 PSE Share	34	34	34	34	52	52	52	52	52	52	52	52	52	52
47 RREC Share	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48 SCL Share	31	31	31	31	22	22	22	22	22	22	22	22	22	22
49 SLEC Share	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50 TPU Share	31	31	31	31	22	22	22	22	22	22	22	22	22	22
51 UNEC Share	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
52 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 Wanapum Before Enc	986	986	986	986	986	986	986	986	986	986	986	986	986	986
-Wanapum-														
3 AVWP Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6 EWEB Share	11	11	11	11	11	11	11	11	11	11	11	11	11	11
7 FGRV Share	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
8 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9 GCPD Share	548	548	548	548	552	552	552	552	552	552	552	552	552	552
10 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 LVE Share	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15 MCMN Share	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
16 MTFR Share	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	91	91	91	91	90	90	90	90	90	90	90	90	90	90
19 PPL Share	91	91	91	91	90	90	90	90	90	90	90	90	90	90
20 PSE Share	52	52	52	52	52	52	52	52	52	52	52	52	52	52
21 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22 SCL Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
27 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
28 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
29 AVWP Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
30 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
31 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
32 EWEB Share	11	11	11	11	11	11	11	11	11	11	11	11	11	11
33 FGRV Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
34 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
35 GCPD Share	540	540	540	540	544	544	544	544	544	544	544	544	544	544
36 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
37 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
38 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
39 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 LVE Share	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
41 MCMN Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
42 MTFR Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
44 PGE Share	89	89	89	89	88	88	88	88	88	88	88	88	88	88
45 PPL Share	89	89	89	89	88	88	88	88	88	88	88	88	88	88
46 PSE Share	51	51	51	51	51	51	51	51	51	51	51	51	51	51
47 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48 SCL Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
49 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50 TPU Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
51 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
52 Priest Rapids After Enc	897	897	897	897	897	897	897	897	897	897	897	897	897	897

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 Wanapum Before Enc	986	986	986	986	986	986	986	986	986	986	986	986	986	986
-Wanapum-														
3 AVWP Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 CWPC Share	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
6 EWEB Share	11	11	11	11	11	11	11	11	11	11	11	11	11	11
7 FGRV Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
8 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9 GCPD Share	552	552	552	552	559	559	559	559	559	559	559	559	559	559
10 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12 KOOT Share	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
13 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 LVE Share	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
15 MCMN Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
16 MTFR Share	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	90	90	90	90	88	88	88	88	88	88	88	88	88	88
19 PPL Share	90	90	90	90	88	88	88	88	88	88	88	88	88	88
20 PSE Share	52	52	52	52	51	51	51	51	51	51	51	51	51	51
21 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22 SCL Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	22	22	22	22	22	22	22	22	22	22	22	22	22	22
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
27 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
28 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
29 AVWP Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
30 COPD Share	13	13	13	13	12	12	12	12	12	12	12	12	12	12
31 CWPC Share	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
32 EWEB Share	11	11	11	11	11	11	11	11	11	11	11	11	11	11
33 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
34 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
35 GCPD Share	544	544	544	544	551	551	551	551	551	551	551	551	551	551
36 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
37 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
38 KOOT Share	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
39 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 LVE Share	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
41 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
42 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
43 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
44 PGE Share	88	88	88	88	86	86	86	86	86	86	86	86	86	86
45 PPL Share	88	88	88	88	87	87	87	87	87	87	87	87	87	87
46 PSE Share	51	51	51	51	50	50	50	50	50	50	50	50	50	50
47 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48 SCL Share	22	22	22	22	21	21	21	21	21	21	21	21	21	21
49 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50 TPU Share	22	22	22	22	21	21	21	21	21	21	21	21	21	21
51 UNEC Share	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
52 Priest Rapids After Enc	897	897	897	897	896	896	896	896	896	896	896	896	896	896

3/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Wanapum-</b>														
1 Wanapum	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 Wanapum Before Enc	986	986	986	986	986	986	986	986	986	986	986	986	986	986
<b>-Wanapum-</b>														
3 AVWP Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
4 COPD Share	13	13	13	13	12	12	12	12	12	12	12	12	12	12
5 CWPC Share	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
6 EWEB Share	11	11	11	11	11	11	11	11	11	11	11	11	11	11
7 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
8 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9 GCPD Share	559	559	559	559	565	565	565	565	565	565	565	565	565	565
10 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12 KOOT Share	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
13 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 LVE Share	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
15 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
16 MTRF Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
17 NLEC Share	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
18 PGE Share	88	88	88	88	86	86	86	86	86	86	86	86	86	86
19 PPL Share	88	88	88	88	86	86	86	86	86	86	86	86	86	86
20 PSE Share	51	51	51	51	50	50	50	50	50	50	50	50	50	50
21 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22 SCL Share	22	22	22	22	21	21	21	21	21	21	21	21	21	21
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	22	22	22	22	21	21	21	21	21	21	21	21	21	21
25 UNEC Share	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
<b>-Priest Rapids-</b>														
27 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
28 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
<b>-Priest Rapids-</b>														
29 AVWP Share	38	38	38	38	37	37	37	37	37	37	37	37	37	37
30 COPD Share	12	12	12	12	12	12	12	12	12	12	12	12	12	12
31 CWPC Share	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
32 EWEB Share	11	11	11	11	10	10	10	10	10	10	10	10	10	10
33 FGRV Share	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
34 FREC Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
35 GCPD Share	551	551	551	551	557	557	557	557	557	557	557	557	557	557
36 ICLP Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
37 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
38 KOOT Share	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
39 LREC Share	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 LVE Share	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
41 MCMN Share	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
42 MTRF Share	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
43 NLEC Share	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
44 PGE Share	86	86	86	86	85	85	85	85	85	85	85	85	85	85
45 PPL Share	87	87	87	87	85	85	85	85	85	85	85	85	85	85
46 PSE Share	50	50	50	50	49	49	49	49	49	49	49	49	49	49
47 RREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48 SCL Share	21	21	21	21	21	21	21	21	21	21	21	21	21	21
49 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50 TPU Share	21	21	21	21	21	21	21	21	21	21	21	21	21	21
51 UNEC Share	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
52 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**1937 Water Year**  
**2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>



**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

**Table A-21: Swift #1 and Swift #2 Allocation  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Swift 1-</b>														
1 Swift 1	268	267	243	264	229	188	162	140	152	158	138	193	263	265
<b>2 Swift 1 Before Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 1-</b>														
3 COPD Share	70	69	63	69	60	49	42	36	39	41	36	50	68	69
4 PPL Share	198	197	180	196	170	139	120	104	112	117	102	143	194	196
<b>5 Swift 1 After Enc</b>	<b>268</b>	<b>267</b>	<b>243</b>	<b>264</b>	<b>229</b>	<b>188</b>	<b>162</b>	<b>140</b>	<b>152</b>	<b>158</b>	<b>138</b>	<b>193</b>	<b>263</b>	<b>265</b>
<b>-Swift 2-</b>														
6 Swift 2	58	58	60	62	62	62	76	76	76	76	59	70	67	60
<b>7 Swift 2 Before Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>
<b>-Swift 2-</b>														
8 COPD Share	15	15	16	16	16	16	20	20	20	20	15	18	17	16
9 PPL Share	43	43	44	46	46	46	56	56	56	56	44	52	50	44
<b>10 Swift 2 After Enc</b>	<b>58</b>	<b>58</b>	<b>60</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>59</b>	<b>70</b>	<b>67</b>	<b>60</b>

Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2004 - 2005 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal Entities-</b>														
1 Federal Entities	220	220	175	180	202	213	201	217	204	187	187	185	190	172
2 Total Federal Entities	220	220	175	180	202	213	201	217	204	187	187	185	190	172
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	277	276	274	271	269	266	263	262	262	265	265	265	265	265
6 Total Direct Service Industry	277	276	274	271	269	266	263	262	262	265	265	265	265	265
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2091	2091	2251	2354	2763	3144	3206	3187	2948	2610	2610	2393	2010	2006
8 Total Generating Public Entities	2091	2091	2251	2354	2763	3144	3206	3187	2948	2610	2610	2393	2010	2006
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2638	2211	1844	2081	2248	2206	1677	1742	1779	1749	1568	1669	1895	2318
10 Total Generating Public Entities (Slice)	2638	2211	1844	2081	2248	2206	1677	1742	1779	1749	1568	1669	1895	2318
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	3625	3625	3547	3695	3999	4429	4616	4398	4197	3945	3945	3931	3653	3721
12 Total Non-Generating Public Entities	3625	3625	3547	3695	3999	4429	4616	4398	4197	3945	3945	3931	3653	3721
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1584	1328	1107	1249	1350	1325	1007	1046	1068	1050	941	1002	1138	1392
14 Total Non-Generating Public Entities (Slice)	1584	1328	1107	1249	1350	1325	1007	1046	1068	1050	941	1002	1138	1392
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
16 Total Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Power Sales Contracts-</b>														
19 Federal Entities	220	220	175	180	202	213	201	217	204	187	187	185	190	172
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	277	276	274	271	269	266	263	262	262	265	265	265	265	265
22 Generating Public Entities	4729	4302	4095	4435	5011	5350	4883	4929	4727	4359	4178	4062	3905	4324
23 Non-Generating Public Entities	5209	4952	4654	4944	5349	5753	5623	5444	5265	4996	4887	4933	4791	5113
24 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	11074	10356	9714	10340	11212	11964	11352	11235	10880	10449	10221	10077	9783	10526



Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2005 - 2006 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal Entities-</b>														
1 Federal Entities	219	219	176	181	202	213	202	217	204	187	187	186	190	172
2 Total Federal Entities	219	219	176	181	202	213	202	217	204	187	187	186	190	172
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272
6 Total Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	1960	1960	2208	2358	2763	3142	3204	3162	2950	2580	2580	2329	1961	1963
8 Total Generating Public Entities	1960	1960	2208	2358	2763	3142	3204	3162	2950	2580	2580	2329	1961	1963
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2647	2223	1850	2087	2255	2215	1677	1742	1785	1749	1568	1799	2027	2319
10 Total Generating Public Entities (Slice)	2647	2223	1850	2087	2255	2215	1677	1742	1785	1749	1568	1799	2027	2319
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	3673	3673	3594	3747	4055	4491	4688	4468	4264	4010	4010	3994	3712	3779
12 Total Non-Generating Public Entities	3673	3673	3594	3747	4055	4491	4688	4468	4264	4010	4010	3994	3712	3779
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1589	1335	1111	1253	1354	1330	1007	1046	1072	1050	941	1080	1217	1393
14 Total Non-Generating Public Entities (Slice)	1589	1335	1111	1253	1354	1330	1007	1046	1072	1050	941	1080	1217	1393
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
16 Total Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Power Sales Contracts-</b>														
19 Federal Entities	219	219	176	181	202	213	202	217	204	187	187	186	190	172
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	265	265	265	272	272	272	272	272	272	272	272	272	272	272
22 Generating Public Entities	4608	4183	4058	4446	5018	5357	4881	4905	4736	4329	4148	4127	3988	4282
23 Non-Generating Public Entities	5262	5008	4705	5001	5409	5821	5695	5514	5336	5060	4951	5074	4929	5172
24 Investor-Owned Entities	382	382	382	382	382	382	382	382	382	382	382	382	382	382
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	10994	10281	9720	10409	11283	12045	11432	11289	10970	10491	10263	10290	10011	10550

Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2006 - 2007 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal Entities-</b>														
1 Federal Entities	218	218	176	181	202	214	203	217	205	188	188	186	190	173
2 Total Federal Entities	218	218	176	181	202	214	203	217	205	188	188	186	190	173
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	1929	1929	2176	2625	2996	3415	3396	3334	3154	2732	2732	2464	2093	2221
8 Total Generating Public Entities	1929	1929	2176	2625	2996	3415	3396	3334	3154	2732	2732	2464	2093	2221
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2650	2228	1850	2096	2263	2226	1677	1742	1795	1749	1568	1677	1903	2325
10 Total Generating Public Entities (Slice)	2650	2228	1850	2096	2263	2226	1677	1742	1795	1749	1568	1677	1903	2325
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	3731	3731	3664	3935	4265	4686	4879	4665	4452	4207	4207	4164	3905	3967
12 Total Non-Generating Public Entities	3731	3731	3664	3935	4265	4686	4879	4665	4452	4207	4207	4164	3905	3967
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1591	1338	1111	1259	1359	1336	1007	1046	1078	1050	941	1007	1143	1396
14 Total Non-Generating Public Entities (Slice)	1591	1338	1111	1259	1359	1336	1007	1046	1078	1050	941	1007	1143	1396
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Power Sales Contracts-</b>														
19 Federal Entities	218	218	176	181	202	214	203	217	205	188	188	186	190	173
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	272	272	272	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4579	4157	4027	4722	5259	5640	5073	5076	4949	4482	4300	4142	3996	4546
23 Non-Generating Public Entities	5322	5069	4775	5194	5624	6023	5886	5712	5530	5258	5149	5172	5048	5363
24 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	11031	10323	9766	10225	11085	11877	11162	11005	10723	10187	9959	9749	9485	10352

Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2007 - 2008 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal Entities-</b>														
1 Federal Entities	218	218	177	182	203	215	204	217	205	188	188	187	190	174
2 Total Federal Entities	218	218	177	182	203	215	204	217	205	188	188	187	190	174
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2260	2260	2490	2620	3007	3427	3404	3371	3165	2722	2722	2474	2117	2215
8 Total Generating Public Entities	2260	2260	2490	2620	3007	3427	3404	3371	3165	2722	2722	2474	2117	2215
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2654	2237	1850	2107	2273	2240	1677	1742	1806	1749	1568	1811	2038	2332
10 Total Generating Public Entities (Slice)	2654	2237	1850	2107	2273	2240	1677	1742	1806	1749	1568	1811	2038	2332
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	3940	3940	3861	3981	4314	4741	4936	4722	4506	4258	4258	4214	3951	4013
12 Total Non-Generating Public Entities	3940	3940	3861	3981	4314	4741	4936	4722	4506	4258	4258	4214	3951	4013
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1594	1343	1111	1265	1365	1345	1007	1046	1084	1050	941	1087	1224	1400
14 Total Non-Generating Public Entities (Slice)	1594	1343	1111	1265	1365	1345	1007	1046	1084	1050	941	1087	1224	1400
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Power Sales Contracts-</b>														
19 Federal Entities	218	218	177	182	203	215	204	217	205	188	188	187	190	174
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4915	4498	4340	4728	5280	5667	5082	5113	4971	4471	4289	4284	4154	4547
23 Non-Generating Public Entities	5534	5284	4972	5247	5679	6086	5943	5768	5590	5309	5200	5301	5174	5413
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	10925	10223	9623	10284	11162	11968	11229	11098	10806	10228	10000	10022	9769	10405

<b>Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2008 - 2009 Operating Year 1937 Water Year 2003 White Book</b>														3/31/2004
<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	217	217	178	183	203	215	205	217	206	189	189	187	190	175
<b>2 Total Federal Entities</b>	<b>217</b>	<b>217</b>	<b>178</b>	<b>183</b>	<b>203</b>	<b>215</b>	<b>205</b>	<b>217</b>	<b>206</b>	<b>189</b>	<b>189</b>	<b>187</b>	<b>190</b>	<b>175</b>
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>4 Total U.S. Bureau of Reclamation</b>	<b>258</b>	<b>224</b>	<b>134</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>260</b>	<b>323</b>	<b>249</b>	<b>250</b>	<b>270</b>
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2283	2283	2484	2631	3037	3421	3422	3363	3181	2733	2733	2501	2110	2224
<b>8 Total Generating Public Entities</b>	<b>2283</b>	<b>2283</b>	<b>2484</b>	<b>2631</b>	<b>3037</b>	<b>3421</b>	<b>3422</b>	<b>3363</b>	<b>3181</b>	<b>2733</b>	<b>2733</b>	<b>2501</b>	<b>2110</b>	<b>2224</b>
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2657	2242	1850	2112	2278	2246	1677	1742	1812	1749	1568	1686	1912	2336
<b>10 Total Generating Public Entities (Slice)</b>	<b>2657</b>	<b>2242</b>	<b>1850</b>	<b>2112</b>	<b>2278</b>	<b>2246</b>	<b>1677</b>	<b>1742</b>	<b>1812</b>	<b>1749</b>	<b>1568</b>	<b>1686</b>	<b>1912</b>	<b>2336</b>
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	3986	3986	3907	4028	4365	4798	4994	4775	4560	4309	4309	4263	3996	4058
<b>12 Total Non-Generating Public Entities</b>	<b>3986</b>	<b>3986</b>	<b>3907</b>	<b>4028</b>	<b>4365</b>	<b>4798</b>	<b>4994</b>	<b>4775</b>	<b>4560</b>	<b>4309</b>	<b>4309</b>	<b>4263</b>	<b>3996</b>	<b>4058</b>
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1595	1346	1111	1268	1368	1348	1007	1046	1088	1050	941	1012	1148	1403
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>1595</b>	<b>1346</b>	<b>1111</b>	<b>1268</b>	<b>1368</b>	<b>1348</b>	<b>1007</b>	<b>1046</b>	<b>1088</b>	<b>1050</b>	<b>941</b>	<b>1012</b>	<b>1148</b>	<b>1403</b>
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Power Sales Contracts-</b>														
19 Federal Entities	217	217	178	183	203	215	205	217	206	189	189	187	190	175
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4940	4525	4334	4744	5315	5667	5100	5105	4993	4482	4301	4186	4022	4560
23 Non-Generating Public Entities	5581	5332	5018	5297	5733	6146	6002	5822	5648	5359	5250	5275	5144	5461
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>10996</b>	<b>10298</b>	<b>9664</b>	<b>10351</b>	<b>11250</b>	<b>12028</b>	<b>11306</b>	<b>11144</b>	<b>10886</b>	<b>10291</b>	<b>10063</b>	<b>9898</b>	<b>9606</b>	<b>10465</b>

Table A-22: BPA Power Sale Contracts PNW Loads and Resources Study 2009 - 2010 Operating Year 1937 Water Year 2003 White Book														3/31/2004
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-Federal Entities-</b>														
1 Federal Entities	217	217	179	183	203	216	206	217	206	189	189	188	191	176
2 Total Federal Entities	217	217	179	183	203	216	206	217	206	189	189	188	191	176
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
4 Total U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2293	2293	2494	2644	3050	3436	3437	3376	3195	2746	2746	2512	2120	2234
8 Total Generating Public Entities	2293	2293	2494	2644	3050	3436	3437	3376	3195	2746	2746	2512	2120	2234
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2659	2246	1850	2117	2282	2252	1677	1742	1819	1750	1568	1818	2043	2339
10 Total Generating Public Entities (Slice)	2659	2246	1850	2117	2282	2252	1677	1742	1819	1750	1568	1818	2043	2339
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	4032	4032	3953	4075	4417	4855	5060	4838	4621	4367	4367	4320	4049	4111
12 Total Non-Generating Public Entities	4032	4032	3953	4075	4417	4855	5060	4838	4621	4367	4367	4320	4049	4111
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1597	1349	1111	1271	1370	1352	1007	1046	1092	1051	941	1092	1227	1405
14 Total Non-Generating Public Entities (Slice)	1597	1349	1111	1271	1370	1352	1007	1046	1092	1051	941	1092	1227	1405
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Power Sales Contracts-</b>														
19 Federal Entities	217	217	179	183	203	216	206	217	206	189	189	188	191	176
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4951	4539	4344	4761	5332	5688	5114	5119	5013	4496	4313	4330	4163	4573
23 Non-Generating Public Entities	5628	5381	5064	5347	5787	6207	6067	5884	5713	5418	5308	5412	5276	5516
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	11055	10360	9721	10419	11322	12110	11387	11220	10972	10363	10134	10179	9880	10534

**Table A-22: BPA Power Sale Contracts  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	216	216	180	184	203	216	206	217	206	190	190	189	191	176
<b>2 Total Federal Entities</b>	<b>216</b>	<b>216</b>	<b>180</b>	<b>184</b>	<b>203</b>	<b>216</b>	<b>206</b>	<b>217</b>	<b>206</b>	<b>190</b>	<b>190</b>	<b>189</b>	<b>191</b>	<b>176</b>
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>4 Total U.S. Bureau of Reclamation</b>	<b>258</b>	<b>224</b>	<b>134</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>260</b>	<b>323</b>	<b>249</b>	<b>250</b>	<b>270</b>
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2301	2301	2502	2668	3044	3449	3452	3389	3208	2757	2757	2522	2128	2257
<b>8 Total Generating Public Entities</b>	<b>2301</b>	<b>2301</b>	<b>2502</b>	<b>2668</b>	<b>3044</b>	<b>3449</b>	<b>3452</b>	<b>3389</b>	<b>3208</b>	<b>2757</b>	<b>2757</b>	<b>2522</b>	<b>2128</b>	<b>2257</b>
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2661	2250	1850	2122	2286	2257	1677	1742	1824	1757	1568	1692	1917	2343
<b>10 Total Generating Public Entities (Slice)</b>	<b>2661</b>	<b>2250</b>	<b>1850</b>	<b>2122</b>	<b>2286</b>	<b>2257</b>	<b>1677</b>	<b>1742</b>	<b>1824</b>	<b>1757</b>	<b>1568</b>	<b>1692</b>	<b>1917</b>	<b>2343</b>
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	4084	4084	4008	4130	4475	4919	5117	4893	4674	4417	4417	4368	4093	4156
<b>12 Total Non-Generating Public Entities</b>	<b>4084</b>	<b>4084</b>	<b>4008</b>	<b>4130</b>	<b>4475</b>	<b>4919</b>	<b>5117</b>	<b>4893</b>	<b>4674</b>	<b>4417</b>	<b>4417</b>	<b>4368</b>	<b>4093</b>	<b>4156</b>
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1598	1351	1111	1274	1373	1355	1007	1046	1095	1055	941	1016	1151	1407
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>1598</b>	<b>1351</b>	<b>1111</b>	<b>1274</b>	<b>1373</b>	<b>1355</b>	<b>1007</b>	<b>1046</b>	<b>1095</b>	<b>1055</b>	<b>941</b>	<b>1016</b>	<b>1151</b>	<b>1407</b>
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Power Sales Contracts-</b>														
19 Federal Entities	216	216	180	184	203	216	206	217	206	190	190	189	191	176
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4962	4551	4353	4789	5330	5706	5129	5131	5032	4514	4325	4214	4045	4600
23 Non-Generating Public Entities	5682	5436	5119	5404	5848	6274	6124	5939	5770	5472	5358	5385	5244	5563
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>11118</b>	<b>10427</b>	<b>9785</b>	<b>10506</b>	<b>11381</b>	<b>12197</b>	<b>11459</b>	<b>11288</b>	<b>11048</b>	<b>10436</b>	<b>10196</b>	<b>10036</b>	<b>9730</b>	<b>10609</b>

**Table A-22: BPA Power Sale Contracts  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	216	216	180	169	199	203	202	222	203	175	175	180	176	158
<b>2 Total Federal Entities</b>	<b>216</b>	<b>216</b>	<b>180</b>	<b>169</b>	<b>199</b>	<b>203</b>	<b>202</b>	<b>222</b>	<b>203</b>	<b>175</b>	<b>175</b>	<b>180</b>	<b>176</b>	<b>158</b>
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>4 Total U.S. Bureau of Reclamation</b>	<b>258</b>	<b>224</b>	<b>134</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>260</b>	<b>323</b>	<b>249</b>	<b>250</b>	<b>270</b>
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2296	2296	2511	2745	3154	3569	3550	3476	3294	2830	2830	2585	2185	2288
<b>8 Total Generating Public Entities</b>	<b>2296</b>	<b>2296</b>	<b>2511</b>	<b>2745</b>	<b>3154</b>	<b>3569</b>	<b>3550</b>	<b>3476</b>	<b>3294</b>	<b>2830</b>	<b>2830</b>	<b>2585</b>	<b>2185</b>	<b>2288</b>
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2661	2253	1850	2125	2289	2261	1677	1742	1828	1762	1568	1824	2047	2345
<b>10 Total Generating Public Entities (Slice)</b>	<b>2661</b>	<b>2253</b>	<b>1850</b>	<b>2125</b>	<b>2289</b>	<b>2261</b>	<b>1677</b>	<b>1742</b>	<b>1828</b>	<b>1762</b>	<b>1568</b>	<b>1824</b>	<b>2047</b>	<b>2345</b>
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	4125	4125	4048	4205	4558	5005	5089	4914	4653	4394	4394	4368	4113	4165
<b>12 Total Non-Generating Public Entities</b>	<b>4125</b>	<b>4125</b>	<b>4048</b>	<b>4205</b>	<b>4558</b>	<b>5005</b>	<b>5089</b>	<b>4914</b>	<b>4653</b>	<b>4394</b>	<b>4394</b>	<b>4368</b>	<b>4113</b>	<b>4165</b>
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1598	1353	1111	1276	1374	1357	1007	1046	1098	1058	941	1095	1229	1408
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>1598</b>	<b>1353</b>	<b>1111</b>	<b>1276</b>	<b>1374</b>	<b>1357</b>	<b>1007</b>	<b>1046</b>	<b>1098</b>	<b>1058</b>	<b>941</b>	<b>1095</b>	<b>1229</b>	<b>1408</b>
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Power Sales Contracts-</b>														
19 Federal Entities	216	216	180	169	199	203	202	222	203	175	175	180	176	158
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4957	4549	4361	4870	5443	5830	5227	5218	5122	4592	4398	4408	4232	4633
23 Non-Generating Public Entities	5723	5478	5159	5481	5933	6362	6096	5961	5751	5452	5336	5463	5342	5573
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>11153</b>	<b>10467</b>	<b>9835</b>	<b>10648</b>	<b>11575</b>	<b>12395</b>	<b>11524</b>	<b>11401</b>	<b>11116</b>	<b>10480</b>	<b>10232</b>	<b>10300</b>	<b>10000</b>	<b>10635</b>

<b>Table A-22: BPA Power Sale Contracts</b> <b>PNW Loads and Resources Study</b> <b>2012 - 2013 Operating Year</b> <b>1937 Water Year</b> <b>2003 White Book</b>														3/31/2004
<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	196	196	161	170	201	204	202	222	203	175	175	180	175	159
<b>2 Total Federal Entities</b>	<b>196</b>	<b>196</b>	<b>161</b>	<b>170</b>	<b>201</b>	<b>204</b>	<b>202</b>	<b>222</b>	<b>203</b>	<b>175</b>	<b>175</b>	<b>180</b>	<b>175</b>	<b>159</b>
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>4 Total U.S. Bureau of Reclamation</b>	<b>258</b>	<b>224</b>	<b>134</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>260</b>	<b>323</b>	<b>249</b>	<b>250</b>	<b>270</b>
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2319	2319	2544	2753	3162	3579	3559	3485	3302	2838	2838	2592	2192	2295
<b>8 Total Generating Public Entities</b>	<b>2319</b>	<b>2319</b>	<b>2544</b>	<b>2753</b>	<b>3162</b>	<b>3579</b>	<b>3559</b>	<b>3485</b>	<b>3302</b>	<b>2838</b>	<b>2838</b>	<b>2592</b>	<b>2192</b>	<b>2295</b>
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2661	2257	1850	2129	2292	2265	1677	1742	1834	1769	1568	1698	1921	2348
<b>10 Total Generating Public Entities (Slice)</b>	<b>2661</b>	<b>2257</b>	<b>1850</b>	<b>2129</b>	<b>2292</b>	<b>2265</b>	<b>1677</b>	<b>1742</b>	<b>1834</b>	<b>1769</b>	<b>1568</b>	<b>1698</b>	<b>1921</b>	<b>2348</b>
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	4131	4131	4066	4231	4588	5038	5144	4969	4705	4443	4443	4416	4156	4209
<b>12 Total Non-Generating Public Entities</b>	<b>4131</b>	<b>4131</b>	<b>4066</b>	<b>4231</b>	<b>4588</b>	<b>5038</b>	<b>5144</b>	<b>4969</b>	<b>4705</b>	<b>4443</b>	<b>4443</b>	<b>4416</b>	<b>4156</b>	<b>4209</b>
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1598	1355	1111	1278	1376	1360	1007	1046	1101	1062	941	1019	1153	1410
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>1598</b>	<b>1355</b>	<b>1111</b>	<b>1278</b>	<b>1376</b>	<b>1360</b>	<b>1007</b>	<b>1046</b>	<b>1101</b>	<b>1062</b>	<b>941</b>	<b>1019</b>	<b>1153</b>	<b>1410</b>
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Power Sales Contracts-</b>														
19 Federal Entities	196	196	161	170	201	204	202	222	203	175	175	180	175	159
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4980	4576	4395	4882	5454	5844	5236	5227	5136	4606	4406	4290	4113	4643
23 Non-Generating Public Entities	5729	5486	5177	5510	5964	6398	6151	6015	5806	5505	5384	5435	5310	5619
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>11163</b>	<b>10482</b>	<b>9867</b>	<b>10690</b>	<b>11619</b>	<b>12446</b>	<b>11590</b>	<b>11464</b>	<b>11186</b>	<b>10546</b>	<b>10288</b>	<b>10155</b>	<b>9848</b>	<b>10691</b>



**Table A-22: BPA Power Sale Contracts  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
2003 White Book**

**3/31/2004**

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	195	195	161	170	201	204	203	222	203	175	175	181	175	159
<b>2 Total Federal Entities</b>	<b>195</b>	<b>195</b>	<b>161</b>	<b>170</b>	<b>201</b>	<b>204</b>	<b>203</b>	<b>222</b>	<b>203</b>	<b>175</b>	<b>175</b>	<b>181</b>	<b>175</b>	<b>159</b>
<b>-U.S. Bureau of Reclamation-</b>														
3 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
<b>4 Total U.S. Bureau of Reclamation</b>	<b>258</b>	<b>224</b>	<b>134</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>260</b>	<b>323</b>	<b>249</b>	<b>250</b>	<b>270</b>
<b>-Direct Service Industry-</b>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Generating Public Entities-</b>														
7 Generating Public Entities	2326	2326	2552	2761	3171	3588	3568	3494	3311	2846	2846	2600	2199	2302
<b>8 Total Generating Public Entities</b>	<b>2326</b>	<b>2326</b>	<b>2552</b>	<b>2761</b>	<b>3171</b>	<b>3588</b>	<b>3568</b>	<b>3494</b>	<b>3311</b>	<b>2846</b>	<b>2846</b>	<b>2600</b>	<b>2199</b>	<b>2302</b>
<b>-Generating Public Entities (Slice)-</b>														
9 Generating Public Entities (Slice)	2661	2259	1850	2132	2295	2269	1677	1742	1838	1774	1568	1829	2051	2350
<b>10 Total Generating Public Entities (Slice)</b>	<b>2661</b>	<b>2259</b>	<b>1850</b>	<b>2132</b>	<b>2295</b>	<b>2269</b>	<b>1677</b>	<b>1742</b>	<b>1838</b>	<b>1774</b>	<b>1568</b>	<b>1829</b>	<b>2051</b>	<b>2350</b>
<b>-Non-Generating Public Entities-</b>														
11 Non-Generating Public Entities	4175	4175	4111	4277	4639	5093	5200	5023	4757	4492	4492	4464	4201	4254
<b>12 Total Non-Generating Public Entities</b>	<b>4175</b>	<b>4175</b>	<b>4111</b>	<b>4277</b>	<b>4639</b>	<b>5093</b>	<b>5200</b>	<b>5023</b>	<b>4757</b>	<b>4492</b>	<b>4492</b>	<b>4464</b>	<b>4201</b>	<b>4254</b>
<b>-Non-Generating Public Entities (Slice)-</b>														
13 Non-Generating Public Entities (Slice)	1598	1357	1111	1280	1378	1362	1007	1046	1104	1065	941	1098	1232	1411
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>1598</b>	<b>1357</b>	<b>1111</b>	<b>1280</b>	<b>1378</b>	<b>1362</b>	<b>1007</b>	<b>1046</b>	<b>1104</b>	<b>1065</b>	<b>941</b>	<b>1098</b>	<b>1232</b>	<b>1411</b>
<b>-Investor-Owned Entities-</b>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Other Entities-</b>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Power Sales Contracts-</b>														
19 Federal Entities	195	195	161	170	201	204	203	222	203	175	175	181	175	159
20 U.S. Bureau of Reclamation	258	224	134	128	0	0	0	0	40	260	323	249	250	270
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4987	4585	4402	4893	5465	5857	5245	5237	5149	4620	4414	4429	4250	4652
23 Non-Generating Public Entities	5773	5532	5222	5558	6017	6456	6207	6070	5861	5557	5434	5562	5433	5665
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>11212</b>	<b>10536</b>	<b>9919</b>	<b>10749</b>	<b>11683</b>	<b>12517</b>	<b>11655</b>	<b>11528</b>	<b>11254</b>	<b>10613</b>	<b>10346</b>	<b>10421</b>	<b>10108</b>	<b>10746</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2004 - 2005 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
<b>2 Total Federal Entities</b>	<b>35</b>	<b>35</b>	<b>18</b>	<b>33</b>	<b>42</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>50</b>	<b>33</b>	<b>30</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<b>6 Total Non-Generating Public Entities</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1029	1029	1014	987	980	965	943	969	979	1015	1015	558	1061	1046
<b>8 Total Investor-owned Entities</b>	<b>1029</b>	<b>1029</b>	<b>1014</b>	<b>987</b>	<b>980</b>	<b>965</b>	<b>943</b>	<b>969</b>	<b>979</b>	<b>1015</b>	<b>1015</b>	<b>558</b>	<b>1061</b>	<b>1046</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
12 Public Entities	252	252	185	109	63	62	63	66	94	210	210	300	313	288
13 Investor-Owned Entities	1029	1029	1014	987	980	965	943	969	979	1015	1015	558	1061	1046
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1356</b>	<b>1356</b>	<b>1258</b>	<b>1170</b>	<b>1125</b>	<b>1100</b>	<b>1079</b>	<b>1108</b>	<b>1146</b>	<b>1298</b>	<b>1298</b>	<b>948</b>	<b>1448</b>	<b>1403</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
<b>2 Total Federal Entities</b>	<b>35</b>	<b>35</b>	<b>18</b>	<b>33</b>	<b>42</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>50</b>	<b>33</b>	<b>30</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	10	10	10	10	10	10	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
<b>6 Total Non-Generating Public Entities</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1029	1029	1015	988	980	965	942	969	979	1015	1015	558	1061	1046
<b>8 Total Investor-owned Entities</b>	<b>1029</b>	<b>1029</b>	<b>1015</b>	<b>988</b>	<b>980</b>	<b>965</b>	<b>942</b>	<b>969</b>	<b>979</b>	<b>1015</b>	<b>1015</b>	<b>558</b>	<b>1061</b>	<b>1046</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
12 Public Entities	252	252	185	109	63	62	56	59	87	202	202	293	306	280
13 Investor-Owned Entities	1029	1029	1015	988	980	965	942	969	979	1015	1015	558	1061	1046
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1357</b>	<b>1357</b>	<b>1258</b>	<b>1170</b>	<b>1125</b>	<b>1100</b>	<b>1071</b>	<b>1101</b>	<b>1139</b>	<b>1290</b>	<b>1290</b>	<b>941</b>	<b>1441</b>	<b>1396</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	4	4	4	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
<b>6 Total Non-Generating Public Entities</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1029	1029	1015	988	980	965	943	969	979	1015	1015	564	1070	1046
<b>8 Total Investor-owned Entities</b>	<b>1029</b>	<b>1029</b>	<b>1015</b>	<b>988</b>	<b>980</b>	<b>965</b>	<b>943</b>	<b>969</b>	<b>979</b>	<b>1015</b>	<b>1015</b>	<b>564</b>	<b>1070</b>	<b>1046</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	4	4	4	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	102	55	55	56	59	87	202	202	293	306	280
13 Investor-Owned Entities	1029	1029	1015	988	980	965	943	969	979	1015	1015	564	1070	1046
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1318</b>	<b>1318</b>	<b>1236</b>	<b>1183</b>	<b>1130</b>	<b>1113</b>	<b>1092</b>	<b>1122</b>	<b>1160</b>	<b>1311</b>	<b>1311</b>	<b>951</b>	<b>1469</b>	<b>1420</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2007 - 2008 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
<b>6 Total Non-Generating Public Entities</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1030	1030	1015	988	981	965	943	970	979	1016	1016	809	1062	1046
<b>8 Total Investor-owned Entities</b>	<b>1030</b>	<b>1030</b>	<b>1015</b>	<b>988</b>	<b>981</b>	<b>965</b>	<b>943</b>	<b>970</b>	<b>979</b>	<b>1016</b>	<b>1016</b>	<b>809</b>	<b>1062</b>	<b>1046</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	102	55	55	56	59	87	202	202	293	306	280
13 Investor-Owned Entities	1030	1030	1015	988	981	965	943	970	979	1016	1016	809	1062	1046
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1368</b>	<b>1368</b>	<b>1286</b>	<b>1184</b>	<b>1130</b>	<b>1114</b>	<b>1092</b>	<b>1122</b>	<b>1160</b>	<b>1311</b>	<b>1311</b>	<b>1196</b>	<b>1462</b>	<b>1420</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2008 - 2009 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
<b>6 Total Non-Generating Public Entities</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1030	1030	1015	988	981	965	943	970	980	1016	1016	809	1062	1046
<b>8 Total Investor-owned Entities</b>	<b>1030</b>	<b>1030</b>	<b>1015</b>	<b>988</b>	<b>981</b>	<b>965</b>	<b>943</b>	<b>970</b>	<b>980</b>	<b>1016</b>	<b>1016</b>	<b>809</b>	<b>1062</b>	<b>1046</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	102	55	55	56	59	87	202	202	293	306	280
13 Investor-Owned Entities	1030	1030	1015	988	981	965	943	970	980	1016	1016	809	1062	1046
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1130</b>	<b>1114</b>	<b>1093</b>	<b>1122</b>	<b>1160</b>	<b>1312</b>	<b>1312</b>	<b>1196</b>	<b>1462</b>	<b>1420</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2009 - 2010 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>6 Total Non-Generating Public Entities</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.9</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1030	1030	1015	988	981	966	944	970	980	1016	1016	810	1071	1047
<b>8 Total Investor-owned Entities</b>	<b>1030</b>	<b>1030</b>	<b>1015</b>	<b>988</b>	<b>981</b>	<b>966</b>	<b>944</b>	<b>970</b>	<b>980</b>	<b>1016</b>	<b>1016</b>	<b>810</b>	<b>1071</b>	<b>1047</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	102	55	55	55	58	86	202	202	292	306	280
13 Investor-Owned Entities	1030	1030	1015	988	981	966	944	970	980	1016	1016	810	1071	1047
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1130</b>	<b>1114</b>	<b>1093</b>	<b>1122</b>	<b>1160</b>	<b>1312</b>	<b>1312</b>	<b>1196</b>	<b>1470</b>	<b>1420</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>6 Total Non-Generating Public Entities</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1030	1030	1016	989	989	974	951	978	988	1024	1024	810	1063	1047
<b>8 Total Investor-owned Entities</b>	<b>1030</b>	<b>1030</b>	<b>1016</b>	<b>989</b>	<b>989</b>	<b>974</b>	<b>951</b>	<b>978</b>	<b>988</b>	<b>1024</b>	<b>1024</b>	<b>810</b>	<b>1063</b>	<b>1047</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	101	55	54	55	58	86	202	202	292	306	280
13 Investor-Owned Entities	1030	1030	1016	989	989	974	951	978	988	1024	1024	810	1063	1047
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1100</b>	<b>1130</b>	<b>1168</b>	<b>1320</b>	<b>1320</b>	<b>1196</b>	<b>1462</b>	<b>1420</b>



**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>6 Total Non-Generating Public Entities</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1030	1030	1016	989	989	974	952	978	988	1024	1024	810	1063	1047
<b>8 Total Investor-owned Entities</b>	<b>1030</b>	<b>1030</b>	<b>1016</b>	<b>989</b>	<b>989</b>	<b>974</b>	<b>952</b>	<b>978</b>	<b>988</b>	<b>1024</b>	<b>1024</b>	<b>810</b>	<b>1063</b>	<b>1047</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	101	55	54	55	58	86	202	202	292	306	280
13 Investor-Owned Entities	1030	1030	1016	989	989	974	952	978	988	1024	1024	810	1063	1047
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1101</b>	<b>1130</b>	<b>1168</b>	<b>1320</b>	<b>1320</b>	<b>1197</b>	<b>1462</b>	<b>1421</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>6 Total Non-Generating Public Entities</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1031	1031	1016	989	990	974	952	979	989	1025	1025	811	1072	1048
<b>8 Total Investor-owned Entities</b>	<b>1031</b>	<b>1031</b>	<b>1016</b>	<b>989</b>	<b>990</b>	<b>974</b>	<b>952</b>	<b>979</b>	<b>989</b>	<b>1025</b>	<b>1025</b>	<b>811</b>	<b>1072</b>	<b>1048</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	101	55	54	55	58	86	202	202	292	306	280
13 Investor-Owned Entities	1031	1031	1016	989	990	974	952	979	989	1025	1025	811	1072	1048
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1287</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1101</b>	<b>1131</b>	<b>1169</b>	<b>1320</b>	<b>1320</b>	<b>1197</b>	<b>1471</b>	<b>1421</b>

**Table A-23: Regional Non Utility Generating Resources By Owner**  
**PNW Loads and Resources Study**  
**2013 - 2014 Operating Year**  
**2003 White Book**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-Federal Entities-</b>														
1 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
<b>2 Total Federal Entities</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>	<b>54</b>
<b>-Generating Public Entities-</b>														
3 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
<b>4 Total Generating Public Entities</b>	<b>242</b>	<b>242</b>	<b>174</b>	<b>99</b>	<b>52</b>	<b>52</b>	<b>53</b>	<b>56</b>	<b>84</b>	<b>199</b>	<b>199</b>	<b>290</b>	<b>303</b>	<b>277</b>
<b>-Non-Generating Public Entities-</b>														
5 Non-Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
<b>6 Total Non-Generating Public Entities</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>	<b>2.4</b>
<b>-Investor-Owned Entities-</b>														
7 Investor-Owned Entities	1031	1031	1017	989	990	975	953	980	989	1025	1025	811	1064	1047
<b>8 Total Investor-owned Entities</b>	<b>1031</b>	<b>1031</b>	<b>1017</b>	<b>989</b>	<b>990</b>	<b>975</b>	<b>953</b>	<b>980</b>	<b>989</b>	<b>1025</b>	<b>1025</b>	<b>811</b>	<b>1064</b>	<b>1047</b>
<b>-Other Entities-</b>														
9 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>10 Total Other Entities</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-Total Non-Utility Generating Resources-</b>														
11 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
12 Public Entities	245	245	177	101	55	54	55	58	86	202	202	292	306	280
13 Investor-Owned Entities	1031	1031	1017	989	990	975	953	980	989	1025	1025	811	1064	1047
14 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>15 Total Non-Utility Generation</b>	<b>1370</b>	<b>1370</b>	<b>1287</b>	<b>1185</b>	<b>1139</b>	<b>1123</b>	<b>1102</b>	<b>1132</b>	<b>1169</b>	<b>1321</b>	<b>1321</b>	<b>1198</b>	<b>1463</b>	<b>1421</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2004 - 2005 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2004 - 2005 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
58 NGP - Total NUG: Small Thermal & Misc.	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
<b>-NUG: Co-Generation-</b>														
59 Cogen Co (OTEC)	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
60 NGP - Total NUG: Co-Generation	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
<b>-NUG: Renewables-</b>														
61 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 NGP - Total NUG: Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
68 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
69 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
72 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
73 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
74 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
75 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
76 Black Creek (AVWP)	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
77 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
78 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
79 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
80 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
81 Broadwater Dam (NWE)	1.6	1.6	2	2.7	2.4	2.3	2.3	2.1	2.1	2.1	2.1	3.1	3.3	2.4
82 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
83 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
84 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
87 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
88 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
89 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
90 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
93 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
94 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
97 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
98 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
99 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
101 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
102 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
104 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
105 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
106 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
107 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
108 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
109 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
110 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
111 Hailey Cssp (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
113 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
114 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
115 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
116 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
117 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
118 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
119 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0	0	0	0.1	0.1	0.2	1.2	2.7
121 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
122 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
123 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
124 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
126 Lake Oswego (PGE)	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

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2004 - 2005 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
127 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
128 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
131 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
132 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7
133 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
134 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
135 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
136 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
137 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
139 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
140 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
141 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
143 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
144 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
147 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
148 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
149 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
151 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
154 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
155 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
157 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
159 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
160 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
161 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
164 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
165 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
168 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
169 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
170 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
171 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
172 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
174 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
175 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
176 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
177 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
178 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
179 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
180 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
181 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.5	0.5	0.5
182 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
183 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
184 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0	0.1	0.1	0.1
185 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
186 Sygitowicz Creek Small Hydro (PSE)	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
187 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
188 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
190 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
191 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
192 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
193 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
194 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
195 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
196 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
197 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0	0
198 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
199 IOU - Total NUG: Hydro	198	198	180	155	149	137	129	141	157	190	190	230	226	212
-NUG: Small Thermal & Misc.-														
200 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13

**Table A-24: Regional Non Utility Generating Resources By Project  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
201 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
202 Montana One (NWE)	10	10	10	11	8.9	9.7	9.8	9.2	8.0	7.3	7.3	11	11	11
203 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
204 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
205 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>206 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>48</b>	<b>46</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>48</b>	<b>49</b>	<b>48</b>
<b>-NUG: Combustion Turbines -</b>														
207 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
208 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
209 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
210 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
211 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	0	245	245
<b>212 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>60</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
213 Billings Generation (NWE)	16	16	16	17	15	16	16	15	13	12	12	18	19	17
214 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
215 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
217 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
218 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
219 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
220 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
221 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
222 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
223 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
224 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
225 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
227 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>228 IOU - Total NUG: Co-Generation</b>	<b>221</b>	<b>221</b>	<b>224</b>	<b>222</b>	<b>221</b>	<b>218</b>	<b>203</b>	<b>218</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>223</b>	<b>223</b>
<b>-NUG: Renewables-</b>														
229 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
235 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>237 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
238 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>239 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
240 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>242 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
243 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
244 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
245 Non Generating Public Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10
246 Investor-Owned Entities	1029	1029	1014	987	980	965	943	969	979	1015	1015	558	1061	1046
247 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>248 Total Non-Utility Generation</b>	<b>1356</b>	<b>1356</b>	<b>1258</b>	<b>1170</b>	<b>1125</b>	<b>1100</b>	<b>1079</b>	<b>1108</b>	<b>1146</b>	<b>1298</b>	<b>1298</b>	<b>948</b>	<b>1448</b>	<b>1403</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**2003 White Book**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>Federal Entities</b>														
<b>-NUG: Hydro-</b>														
1 Clearwater - State of ID DWR (BPA)	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2 Dworshak Small Hydropower (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3 Elwah Hydro (BPA)	15	15	4.9	13	14	13	13	13	13	13	13	13	13	9.8
4 Glines Hydro (BPA)	16	16	9.6	16	24	16	16	16	16	16	16	32	16	16
<b>5 Federal -Total NUG: Hydro</b>	<b>35</b>	<b>35</b>	<b>18</b>	<b>33</b>	<b>42</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>	<b>50</b>	<b>33</b>	<b>30</b>
<b>-NUG: Renewables-</b>														
6 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Stataline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>13 Federal -Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Generating Public Entities</b>														
<b>-NUG: Hydro-</b>														
14 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
16 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
17 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Lucky Peak (SCL)	66	66	41	11	2.2	3	7.9	10	21	52	52	84	85	77
20 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
21 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
22 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.9	6.2	5.8
23 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9
25 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0	0	0	0	0.3	0.9	0.9	0.9	0.9	0.9
26 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
27 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
28 Russel D. Smith (TPU)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
29 Smith Creek (EWEB)	0	0	0	5	5.4	3.9	0	0.8	1.5	9.2	9.2	37	37	11
30 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
31 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
32 Woods Creek (SHPD)	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
<b>33 GPU - Total NUG: Hydro</b>	<b>187</b>	<b>187</b>	<b>119</b>	<b>55</b>	<b>8.3</b>	<b>7.6</b>	<b>8.6</b>	<b>11</b>	<b>40</b>	<b>144</b>	<b>144</b>	<b>235</b>	<b>248</b>	<b>222</b>
<b>-NUG: Small Thermal &amp; Misc.-&lt;/</b>														



**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
58 NGP - Total NUG: Small Thermal & Misc.	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
<b>-NUG: Co-Generation-</b>														
59 Cogen Co (OTEC)	7.5	7.5	7.5	7.5	7.5	7.5	0	0	0	0	0	0	0	0
60 NGP - Total NUG: Co-Generation	7.5	7.5	7.5	7.5	7.5	7.5	0	0	0	0	0	0	0	0
<b>-NUG: Renewables-</b>														
61 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 NGP - Total NUG: Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
68 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
69 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
72 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
73 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
74 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
75 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
76 Black Creek (AVWP)	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
77 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
78 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
79 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
80 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
81 Broadwater Dam (NWE)	1.6	1.6	2	2.7	2.4	2.4	2.2	2.1	2.1	2.1	2.1	3.1	3.3	2.4
82 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
83 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
84 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
87 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
88 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
89 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
90 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
93 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
94 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
97 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
98 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
99 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
101 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
102 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
104 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
105 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
106 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
107 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
108 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
109 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
110 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
111 Hailey Cssp (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
113 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
114 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
115 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
116 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
117 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
118 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
119 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0	0	0	0.1	0.1	0.2	1.2	2.7
121 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
122 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
123 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
124 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
126 Lake Oswego (PGE)	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

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2005 - 2006 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
127 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
128 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
131 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
132 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7
133 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
134 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
135 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
136 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
137 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
139 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
140 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
141 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
143 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
144 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
146 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
147 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
148 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
149 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
151 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
154 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
155 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
157 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
159 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
160 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
161 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
164 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
165 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
167 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
168 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
169 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
170 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
171 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
172 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
174 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
175 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
176 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
177 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
178 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
179 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
180 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
181 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.5	0.5	0.5
182 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
183 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
184 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0	0.1	0.1	0.1
185 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
186 Sygitowicz Creek Small Hydro (PSE)	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
187 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
188 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
190 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
191 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
192 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
193 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
194 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
195 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
196 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
197 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0	0
198 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
199 IOU - Total NUG: Hydro	198	198	180	155	149	137	129	141	157	190	190	230	226	212
-NUG: Small Thermal & Misc.-														
200 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13

**Table A-24: Regional Non Utility Generating Resources By Project  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
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**Continued**

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<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
201 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
202 Montana One (NWE)	10	10	10	11	9.0	9.7	9.8	9.2	8.0	7.3	7.3	11	11	11
203 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
204 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
205 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>206 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>48</b>	<b>46</b>	<b>47</b>	<b>47</b>	<b>46</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>48</b>	<b>49</b>	<b>48</b>
<b>-NUG: Combustion Turbines -</b>														
207 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
208 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
209 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
210 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
211 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	0	245	245
<b>212 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>60</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
213 Billings Generation (NWE)	16	16	17	17	15	16	16	15	13	12	12	18	19	17
214 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
215 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
217 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
218 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
219 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
220 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
221 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
222 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
223 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
224 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
225 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
227 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>228 IOU - Total NUG: Co-Generation</b>	<b>221</b>	<b>221</b>	<b>224</b>	<b>222</b>	<b>222</b>	<b>218</b>	<b>203</b>	<b>218</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>218</b>	<b>223</b>	<b>223</b>
<b>-NUG: Renewables-</b>														
229 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
235 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>237 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
238 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>239 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
240 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>242 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
243 Federal Entities	35	35	18	33	42	33	33	33	33	33	33	50	33	30
244 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
245 Non Generating Public Entities	10	10	10	10	10	10	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
246 Investor-Owned Entities	1029	1029	1015	988	980	965	942	969	979	1015	1015	558	1061	1046
247 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>248 Total Non-Utility Generation</b>	<b>1357</b>	<b>1357</b>	<b>1258</b>	<b>1170</b>	<b>1125</b>	<b>1100</b>	<b>1071</b>	<b>1101</b>	<b>1139</b>	<b>1290</b>	<b>1290</b>	<b>941</b>	<b>1441</b>	<b>1396</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]

<div> <div>Table A-24: Regional Non Utility Generating Resources By Project</div> <div>PNW Loads and Resources Study</div> <div>2006 - 2007 Operating Year</div> <div>2003 White Book</div> </div>														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.6	1.6	2	2.7	2.4	2.4	2.3	2.1	2.1	2.1	2.1	3.6	4.1	2.4
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

<div> <div>Table A-24: Regional Non Utility Generating Resources By Project</div> <div>PNW Loads and Resources Study</div> <div>2006 - 2007 Operating Year</div> <div>2003 White Book</div> </div>														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.6	0.7	0.5
179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0	0.1	0.1	0.1
182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
183 Sygitowicz Creek Small Hydro (PSE)	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
184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
194 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0.1	0
195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
196 IOU - Total NUG: Hydro	198	198	180	155	149	137	129	141	157	190	190	231	227	212
-NUG: Small Thermal & Misc.-														
197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
199 Montana One (NWE)	10	10	10	11	9.0	9.7	9.9	9.3	8.1	7.4	7.4	13	14	11
200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
203 IOU - Total NUG: Small Thermal & Misc.	47	47	47	48	46	47	47	47	45	45	45	50	51	48

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2006 - 2007 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	0	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>60</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	16	16	17	17	15	16	16	15	13	12	12	21	23	17
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TESCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>221</b>	<b>221</b>	<b>224</b>	<b>222</b>	<b>222</b>	<b>218</b>	<b>203</b>	<b>218</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>221</b>	<b>228</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	4	4	4	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
243 Investor-Owned Entities	1029	1029	1015	988	980	965	943	969	979	1015	1015	564	1070	1046
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1318</b>	<b>1318</b>	<b>1236</b>	<b>1183</b>	<b>1130</b>	<b>1113</b>	<b>1092</b>	<b>1122</b>	<b>1160</b>	<b>1311</b>	<b>1311</b>	<b>951</b>	<b>1469</b>	<b>1420</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2007 - 2008 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]







**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2007 - 2008 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	15	16	16	15	13	12	12	21	19	17
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>221</b>	<b>221</b>	<b>224</b>	<b>222</b>	<b>222</b>	<b>218</b>	<b>203</b>	<b>218</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>221</b>	<b>224</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-N</b>														







**Table A-24: Regional Non Utility Generating Resources By Project  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
2003 White Book**

Continued

3/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	15	16	16	15	13	12	12	21	19	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>221</b>	<b>221</b>	<b>224</b>	<b>222</b>	<b>222</b>	<b>218</b>	<b>204</b>	<b>218</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>221</b>	<b>224</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
243 Investor-Owned Entities	1030	1030	1015	988	981	965	943	970	980	1016	1016	809	1062	1046
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1130</b>	<b>1114</b>	<b>1093</b>	<b>1122</b>	<b>1160</b>	<b>1312</b>	<b>1312</b>	<b>1196</b>	<b>1462</b>	<b>1420</b>





<div> <div>Table A-24: Regional Non Utility Generating Resources By Project</div> <div>PNW Loads and Resources Study</div> <div>2009 - 2010 Operating Year</div> <div>2003 White Book</div> </div>														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.6	1.6	2.1	2.8	2.5	2.4	2.3	2.2	2.2	2.2	2.2	3.7	4.1	2.5
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

Continued	Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2009 - 2010 Operating Year 2003 White Book														3/31/2004
	Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
	131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
	132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
	133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
	134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
	137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
	138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
	140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
	141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
	145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
	146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
	148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
	151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
	152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
	154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	155 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
	156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
	157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
	161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
	167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
	168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
	169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
	171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
	172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
	174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
	175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
	177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
	178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.4	0.4	0.6	0.7	0.5
	179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
	181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1	0.1
	182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
	183 Sygitowicz Creek Small Hydro (PSE)	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
	184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
	185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
	187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
	189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
	190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
	192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
	194 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0	0	0	0	0.1	0
	195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
	<b>196 IOU - Total NUG: Hydro</b>	<b>198</b>	<b>198</b>	<b>180</b>	<b>155</b>	<b>150</b>	<b>137</b>	<b>129</b>	<b>142</b>	<b>157</b>	<b>190</b>	<b>190</b>	<b>231</b>	<b>227</b>	<b>212</b>
	<b>-NUG: Small Thermal &amp; Misc.-</b>														
	197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	199 Montana One (NWE)	10	10	10	11	9.2	10	10	9.6	8.4	7.6	7.6	13	15	11
	200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
	201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>203 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>46</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>46</b>	<b>45</b>	<b>45</b>	<b>50</b>	<b>52</b>	<b>48</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2009 - 2010 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	15	16	17	16	14	12	12	21	24	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>222</b>	<b>222</b>	<b>225</b>	<b>222</b>	<b>222</b>	<b>218</b>	<b>204</b>	<b>219</b>	<b>214</b>	<b>218</b>	<b>218</b>	<b>221</b>	<b>228</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.9	2.9	2.9	2.9	2.9	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
243 Investor-Owned Entities	1030	1030	1015	988	981	966	944	970	980	1016	1016	810	1071	1047
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1130</b>	<b>1114</b>	<b>1093</b>	<b>1122</b>	<b>1160</b>	<b>1312</b>	<b>1312</b>	<b>1196</b>	<b>1470</b>	<b>1420</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2010 - 2011 Operating Year**  
**2003 White Book**

3/31/2004

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<div> <div>Table A-24: Regional Non Utility Generating Resources By Project</div> <div>PNW Loads and Resources Study</div> <div>2010 - 2011 Operating Year</div> <div>2003 White Book</div> </div>														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.6	1.6	2.1	2.8	3.3	3.1	2.9	2.8	2.8	3.0	3.0	3.7	3.4	2.5
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

Continued	Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2010 - 2011 Operating Year 2003 White Book														
	3/31/2004														
	Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	
131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	
132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	
133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	
134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	
137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	
138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	
140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	
141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	
144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	
145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	
146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	
148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	
151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	
152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8	
154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
155 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	
156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	
157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	
161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	
162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	
165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	
167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	
168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	
169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	
171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	
172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4	
174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	
175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	
176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	
177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	
178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	
179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	
181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	
183 Sygitowicz Creek Small Hydro (PSE)	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	
184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1	
185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	
187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	
189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	
190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	
192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	
194 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	
195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7	
196 IOU - Total NUG: Hydro	198	198	180	155	150	138	130	142	158	191	191	231	226	212	
-NUG: Small Thermal & Misc.-															
197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
199 Montana One (NWE)	10	10	10	11	12	13	13	12	11	10	10	13	12	11	
200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	
201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23	
202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
203 IOU - Total NUG: Small Thermal & Misc.	48	48	48	48	49	50	50	50	48	48	48	50	49	48	

**Table A-24: Regional Non Utility Generating Resources By Project  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	20	21	21	20	18	17	17	21	19	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>222</b>	<b>222</b>	<b>225</b>	<b>223</b>	<b>226</b>	<b>223</b>	<b>208</b>	<b>223</b>	<b>219</b>	<b>223</b>	<b>223</b>	<b>222</b>	<b>224</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
243 Investor-Owned Entities	1030	1030	1016	989	989	974	951	978	988	1024	1024	810	1063	1047
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1100</b>	<b>1130</b>	<b>1168</b>	<b>1320</b>	<b>1320</b>	<b>1196</b>	<b>1462</b>	<b>1420</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2011 - 2012 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]



Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2011 - 2012 Operating Year 2003 White Book														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.7	1.7	2.1	2.8	3.3	3.1	3.0	2.8	2.9	3.0	3.0	3.8	3.4	2.5
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

Continued	Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2011 - 2012 Operating Year 2003 White Book														3/31/2004
	Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
	131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
	132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
	133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
	134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
	137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
	138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
	140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
	141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
	145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
	146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
	148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
	151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
	152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
	154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	155 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
	157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
	161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
	167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
	168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
	169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
	171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
	172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
	174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
	175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
	177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
	178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
	179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
	181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
	183 Sygitowicz Creek Small Hydro (PSE)	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
	184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
	185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
	187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
	189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
	190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
	192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
	194 Wisconsin Creek (NWE)	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
	195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
	<b>196 IOU - Total NUG: Hydro</b>	<b>198</b>	<b>198</b>	<b>180</b>	<b>155</b>	<b>150</b>	<b>138</b>	<b>130</b>	<b>142</b>	<b>158</b>	<b>191</b>	<b>191</b>	<b>231</b>	<b>226</b>	<b>212</b>
	<b>-NUG: Small Thermal &amp; Misc.-</b>														
	197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	199 Montana One (NWE)	11	11	11	11	12	13	13	12	11	10	10	13	12	11
	200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
	201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>203 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>49</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>50</b>	<b>49</b>	<b>48</b>

**Table A-24: Regional Non Utility Generating Resources By Project  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
2003 White Book**

Continued

3/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	20	21	21	20	18	17	17	21	19	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>222</b>	<b>222</b>	<b>225</b>	<b>223</b>	<b>227</b>	<b>223</b>	<b>208</b>	<b>223</b>	<b>219</b>	<b>223</b>	<b>223</b>	<b>222</b>	<b>224</b>	<b>224</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
243 Investor-Owned Entities	1030	1030	1016	989	989	974	952	978	988	1024	1024	810	1063	1047
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1286</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1101</b>	<b>1130</b>	<b>1168</b>	<b>1320</b>	<b>1320</b>	<b>1197</b>	<b>1462</b>	<b>1421</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]

Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2012 - 2013 Operating Year 2003 White Book														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.7	1.7	2.1	2.9	3.3	3.1	3	2.9	2.9	3	3	3.8	4.3	2.6
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

Continued	Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2012 - 2013 Operating Year 2003 White Book														3/31/2004
	Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
	131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
	132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
	133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
	134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
	137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
	138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
	140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
	141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
	145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
	146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
	148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
	151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
	152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
	154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	155 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
	157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
	161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
	167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
	168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
	169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
	171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
	172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
	174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
	175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
	177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
	178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.7	0.5
	179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
	181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
	183 Sygitowicz Creek Small Hydro (PSE)	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
	184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
	185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
	187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
	189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
	190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
	192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
	194 Wisconsin Creek (NWE)	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
	195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
	<b>196 IOU - Total NUG: Hydro</b>	<b>198</b>	<b>198</b>	<b>180</b>	<b>155</b>	<b>150</b>	<b>138</b>	<b>130</b>	<b>142</b>	<b>158</b>	<b>191</b>	<b>191</b>	<b>231</b>	<b>227</b>	<b>212</b>
	<b>-NUG: Small Thermal &amp; Misc.-</b>														
	197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	199 Montana One (NWE)	11	11	11	11	12	13	13	13	11	11	11	13	15	11
	200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
	201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>203 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>49</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>49</b>	<b>48</b>	<b>48</b>	<b>51</b>	<b>52</b>	<b>49</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**2003 White Book**

Continued

3/31/2004

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	17	17	17	18	20	21	22	21	18	17	17	22	24	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>222</b>	<b>222</b>	<b>225</b>	<b>223</b>	<b>227</b>	<b>223</b>	<b>209</b>	<b>224</b>	<b>219</b>	<b>223</b>	<b>223</b>	<b>222</b>	<b>229</b>	<b>225</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
243 Investor-Owned Entities	1031	1031	1016	989	990	974	952	979	989	1025	1025	811	1072	1048
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1369</b>	<b>1369</b>	<b>1287</b>	<b>1184</b>	<b>1138</b>	<b>1122</b>	<b>1101</b>	<b>1131</b>	<b>1169</b>	<b>1320</b>	<b>1320</b>	<b>1197</b>	<b>1471</b>	<b>1421</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2013 - 2014 Operating Year**  
**2003 White Book**

3/31/2004

[illegible]



Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2013 - 2014 Operating Year 2003 White Book														
Continued	3/31/2004													
Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<b>-NUG: Renewables-</b>														
58 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>64 NGP - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investor-Owned Entities</b>														
<b>-NUG: Hydro-</b>														
65 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3
66 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
69 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
71 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2
72 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
73 Black Creek (AVWP)	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
74 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
75 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
76 Boyd James (PPL)	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
77 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
78 Broadwater Dam (NWE)	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
79 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
80 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 CDM Hydro - Bonneville Pacific (PPL)	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
84 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
85 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1
86 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
87 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3
90 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
91 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
94 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
95 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Eagle Point Irrigation Dist. (PPL)	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
98 Elk Creek (IPC)	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2
99 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 Falls Creek (PPL)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
101 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
102 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
103 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
104 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
105 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
106 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
107 Georgetown Power (UPL)	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
108 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Hazelton A (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
110 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
111 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2
112 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
113 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
114 Jim Ford Creek (AVWP)	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
115 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
116 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Joseph Hydro (PPL)	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7
118 Kasel & Witherspoon (IPC)	1.2	1.2	1.2	0.8	0.5	0.3	0.2	0.2	0.4	0.5	0.5	1	1.1	1
119 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
120 Koyle (IPC)	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9
121 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122 Lacombe Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
123 Lake Oswego (PGE)	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
124 Lateral #10 (IPC)	1.5	1.5	1.6	2	2.1	1.5	1.5	1.7	1.8	1.9	1.9	1.8	1.6	1.5
125 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126 Lemoyne (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9
128 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7
129 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7

Continued	Table A-24: Regional Non Utility Generating Resources By Project PNW Loads and Resources Study 2013 - 2014 Operating Year 2003 White Book														3/31/2004
	Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	130 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8
	131 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0
	132 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5
	133 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1
	134 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	135 Meyers Falls (AVWP)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	136 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0
	137 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4
	138 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	139 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6
	140 Mitchell Butte (IPC)	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1
	141 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	142 Mt. Tabor (PGE)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	143 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4
	144 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1
	145 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
	146 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	147 North Fork Sprague (PPL)	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1
	148 O.J. Power (UPL)	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	149 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2
	151 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2
	152 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	153 Pelton Rereg. Dam (PPL)	7	7	6.3	8.3	8.7	8.0	7.9	10	7.7	6.8	6.8	9	7.2	6.8
	154 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	155 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	156 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7
	157 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	158 Port Townsend Paper Hydro (PSE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	159 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	160 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
	161 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
	162 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	163 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	164 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
	165 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	166 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1
	167 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6
	168 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4
	169 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	170 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
	171 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
	172 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	173 Shoshone (IPC)	0.4	0.4	0.5	0.4	0.4	0.1	0.1	0	0.1	0.3	0.3	0.5	0.3	0.4
	174 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
	175 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
	176 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2
	177 Solar Research (PPL)	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
	178 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
	179 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	180 Stauffer Dry Creek (UPL)	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
	181 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	182 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
	183 Sygitowicz Creek Small Hydro (PSE)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0	0
	184 TGS/Briggs (UPL)	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
	185 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	186 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9
	187 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	188 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
	189 Water Street / Santiam (PPL)	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
	190 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	191 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2
	192 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	193 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
	194 Wisconsin Creek (NWE)	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
	195 Yakima-Tieton (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
	<b>196 IOU - Total NUG: Hydro</b>	<b>198</b>	<b>198</b>	<b>180</b>	<b>155</b>	<b>151</b>	<b>138</b>	<b>130</b>	<b>142</b>	<b>157</b>	<b>191</b>	<b>191</b>	<b>231</b>	<b>226</b>	<b>211</b>
	<b>-NUG: Small Thermal &amp; Misc.-</b>														
	197 Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	198 Minnesota Methane (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	199 Montana One (NWE)	11	11	11	11	12	13	13	13	12	11	11	14	12	11
	200 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1
	201 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
	202 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	<b>203 IOU - Total NUG: Small Thermal &amp; Misc.</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>49</b>	<b>50</b>	<b>50</b>	<b>51</b>	<b>50</b>	<b>49</b>	<b>48</b>	<b>48</b>	<b>51</b>	<b>50</b>	<b>49</b>

**Table A-24: Regional Non Utility Generating Resources By Project**  
**PNW Loads and Resources Study**  
**2013 - 2014 Operating Year**  
**2003 White Book**

**Continued**

**3/31/2004**

<b>Capacity in Megawatts</b>	<b>Aug1</b>	<b>Aug16</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr1</b>	<b>Apr16</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>
<b>-NUG: Combustion Turbines -</b>														
204 March Point #1 Cogeneration (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
205 March Point #2 Cogeneration (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
206 Rathdrum- Boekel Rd. #1 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
207 Rathdrum -Boekel Rd. #2 (AVWP)	88	88	88	88	88	88	88	88	88	88	88	0	88	88
208 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
<b>209 IOU - Total NUG: Combustion Turbines</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>561</b>	<b>305</b>	<b>561</b>	<b>561</b>
<b>-NUG: Co-Generation-</b>														
210 Billings Generation (NWE)	18	18	18	18	20	21	22	21	19	18	18	22	20	18
211 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
212 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3
214 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1
215 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
216 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3
217 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
218 Simplot Pocatello (IPC)	8.8	8.8	9.2	8.8	9.1	8.8	8.8	9.6	8.9	9.2	9.2	8.9	9.2	8.8
219 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
220 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8
221 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
222 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Vaagen Bros. (IPC)	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8
224 Warm Springs (PPL)	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0
<b>225 IOU - Total NUG: Co-Generation</b>	<b>222</b>	<b>222</b>	<b>225</b>	<b>223</b>	<b>227</b>	<b>224</b>	<b>209</b>	<b>224</b>	<b>220</b>	<b>223</b>	<b>223</b>	<b>223</b>	<b>225</b>	<b>225</b>
<b>-NUG: Renewables-</b>														
226 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Josef Staufner (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
232 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>234 IOU - Total NUG: Renewables</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Other Entities</b>														
<b>-NUG: Co-Generation-</b>														
235 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>236 Other - Total NUG: Co-Generation</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>
<b>-NUG: Renewables-</b>														
237 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>239 Other - Total NUG: Renewables</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>-Total Non-Utility Generating Resources-</b>														
240 Federal Entities	54	54	54	54	54	54	54	54	54	54	54	54	54	54
241 Generating Public Entities	242	242	174	99	52	52	53	56	84	199	199	290	303	277
242 Non Generating Public Entities	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
243 Investor-Owned Entities	1031	1031	1017	989	990	975	953	980	989	1025	1025	811	1064	1047
244 Other Entities	40	40	40	40	40	40	40	40	40	40	40	40	40	40
<b>245 Total Non-Utility Generation</b>	<b>1370</b>	<b>1370</b>	<b>1287</b>	<b>1185</b>	<b>1139</b>	<b>1123</b>	<b>1102</b>	<b>1132</b>	<b>1169</b>	<b>1321</b>	<b>1321</b>	<b>1198</b>	<b>1463</b>	<b>1421</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5125	5044	5160	4930	5039	5012	4212	4574	4764	4622	4710	4504	5407	5069
<b>2 Total Generating Public Entities</b>	<b>5125</b>	<b>5044</b>	<b>5160</b>	<b>4930</b>	<b>5039</b>	<b>5012</b>	<b>4212</b>	<b>4574</b>	<b>4764</b>	<b>4622</b>	<b>4710</b>	<b>4504</b>	<b>5407</b>	<b>5069</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	144	144	140	107	108	110	110	110	117	117	117	115	115	117
<b>4 Total Non-Generating Public Entities</b>	<b>144</b>	<b>144</b>	<b>140</b>	<b>107</b>	<b>108</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>117</b>	<b>117</b>	<b>117</b>	<b>115</b>	<b>115</b>	<b>117</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11881	11897	11830	11807	11708	11669	11703	11468	11634	11405	11305	11218	11667	12007
<b>6 Total Investor-owned Entities</b>	<b>11881</b>	<b>11897</b>	<b>11830</b>	<b>11807</b>	<b>11708</b>	<b>11669</b>	<b>11703</b>	<b>11468</b>	<b>11634</b>	<b>11405</b>	<b>11305</b>	<b>11218</b>	<b>11667</b>	<b>12007</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5125	5044	5160	4930	5039	5012	4212	4574	4764	4622	4710	4504	5407	5069
8 Small & Non Generating Entities	144	144	140	107	108	110	110	110	117	117	117	115	115	117
9 Investor-Owned Entities	11881	11897	11830	11807	11708	11669	11703	11468	11634	11405	11305	11218	11667	12007
<b>10 Regional Total Dedicated Resources</b>	<b>17151</b>	<b>17086</b>	<b>17130</b>	<b>16844</b>	<b>16855</b>	<b>16791</b>	<b>16024</b>	<b>16151</b>	<b>16514</b>	<b>16143</b>	<b>16132</b>	<b>15837</b>	<b>17189</b>	<b>17192</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4940	4859	4974	4743	4735	4708	3908	4270	4461	4445	4534	4151	4995	4687
<b>2 Total Generating Public Entities</b>	<b>4940</b>	<b>4859</b>	<b>4974</b>	<b>4743</b>	<b>4735</b>	<b>4708</b>	<b>3908</b>	<b>4270</b>	<b>4461</b>	<b>4445</b>	<b>4534</b>	<b>4151</b>	<b>4995</b>	<b>4687</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	114	114	110	107	113	114	107	107	113	118	118	117	120	117
<b>4 Total Non-Generating Public Entities</b>	<b>114</b>	<b>114</b>	<b>110</b>	<b>107</b>	<b>113</b>	<b>114</b>	<b>107</b>	<b>107</b>	<b>113</b>	<b>118</b>	<b>118</b>	<b>117</b>	<b>120</b>	<b>117</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11883	11900	11833	11810	11624	11583	11617	11381	11546	11765	11234	10855	11842	11906
<b>6 Total Investor-owned Entities</b>	<b>11883</b>	<b>11900</b>	<b>11833</b>	<b>11810</b>	<b>11624</b>	<b>11583</b>	<b>11617</b>	<b>11381</b>	<b>11546</b>	<b>11765</b>	<b>11234</b>	<b>10855</b>	<b>11842</b>	<b>11906</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4940	4859	4974	4743	4735	4708	3908	4270	4461	4445	4534	4151	4995	4687
8 Small & Non Generating Entities	114	114	110	107	113	114	107	107	113	118	118	117	120	117
9 Investor-Owned Entities	11883	11900	11833	11810	11624	11583	11617	11381	11546	11765	11234	10855	11842	11906
<b>10 Regional Total Dedicated Resources</b>	<b>16936</b>	<b>16873</b>	<b>16917</b>	<b>16661</b>	<b>16471</b>	<b>16405</b>	<b>15631</b>	<b>15757</b>	<b>16121</b>	<b>16328</b>	<b>15886</b>	<b>15123</b>	<b>16956</b>	<b>16710</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4801	4720	4850	4581	4687	4661	3911	4272	4460	4446	4534	4151	5002	4695
<b>2 Total Generating Public Entities</b>	<b>4801</b>	<b>4720</b>	<b>4850</b>	<b>4581</b>	<b>4687</b>	<b>4661</b>	<b>3911</b>	<b>4272</b>	<b>4460</b>	<b>4446</b>	<b>4534</b>	<b>4151</b>	<b>5002</b>	<b>4695</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	114	114	107	88	90	91	87	87	97	98	98	101	101	98
<b>4 Total Non-Generating Public Entities</b>	<b>114</b>	<b>114</b>	<b>107</b>	<b>88</b>	<b>90</b>	<b>91</b>	<b>87</b>	<b>87</b>	<b>97</b>	<b>98</b>	<b>98</b>	<b>101</b>	<b>101</b>	<b>98</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11728	11844	11765	11760	11662	11621	11642	11407	11574	11690	11159	10354	10706	11490
<b>6 Total Investor-owned Entities</b>	<b>11728</b>	<b>11844</b>	<b>11765</b>	<b>11760</b>	<b>11662</b>	<b>11621</b>	<b>11642</b>	<b>11407</b>	<b>11574</b>	<b>11690</b>	<b>11159</b>	<b>10354</b>	<b>10706</b>	<b>11490</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4801	4720	4850	4581	4687	4661	3911	4272	4460	4446	4534	4151	5002	4695
8 Small & Non Generating Entities	114	114	107	88	90	91	87	87	97	98	98	101	101	98
9 Investor-Owned Entities	11728	11844	11765	11760	11662	11621	11642	11407	11574	11690	11159	10354	10706	11490
<b>10 Regional Total Dedicated Resources</b>	<b>16643</b>	<b>16677</b>	<b>16722</b>	<b>16429</b>	<b>16439</b>	<b>16372</b>	<b>15640</b>	<b>15766</b>	<b>16131</b>	<b>16234</b>	<b>15792</b>	<b>14606</b>	<b>15809</b>	<b>16284</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4807	4726	4848	4609	4716	4692	3940	4301	4488	4473	4562	3936	5036	4730
<b>2 Total Generating Public Entities</b>	<b>4807</b>	<b>4726</b>	<b>4848</b>	<b>4609</b>	<b>4716</b>	<b>4692</b>	<b>3940</b>	<b>4301</b>	<b>4488</b>	<b>4473</b>	<b>4562</b>	<b>3936</b>	<b>5036</b>	<b>4730</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	96	96	92	88	90	88	87	87	97	98	98	101	101	98
<b>4 Total Non-Generating Public Entities</b>	<b>96</b>	<b>96</b>	<b>92</b>	<b>88</b>	<b>90</b>	<b>88</b>	<b>87</b>	<b>87</b>	<b>97</b>	<b>98</b>	<b>98</b>	<b>101</b>	<b>101</b>	<b>98</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11844	11862	11789	11763	11664	11623	11644	11410	11576	11787	11786	10199	11178	12024
<b>6 Total Investor-owned Entities</b>	<b>11844</b>	<b>11862</b>	<b>11789</b>	<b>11763</b>	<b>11664</b>	<b>11623</b>	<b>11644</b>	<b>11410</b>	<b>11576</b>	<b>11787</b>	<b>11786</b>	<b>10199</b>	<b>11178</b>	<b>12024</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4807	4726	4848	4609	4716	4692	3940	4301	4488	4473	4562	3936	5036	4730
8 Small & Non Generating Entities	96	96	92	88	90	88	87	87	97	98	98	101	101	98
9 Investor-Owned Entities	11844	11862	11789	11763	11664	11623	11644	11410	11576	11787	11786	10199	11178	12024
<b>10 Regional Total Dedicated Resources</b>	<b>16747</b>	<b>16684</b>	<b>16728</b>	<b>16461</b>	<b>16470</b>	<b>16404</b>	<b>15670</b>	<b>15797</b>	<b>16161</b>	<b>16358</b>	<b>16446</b>	<b>14236</b>	<b>16315</b>	<b>16852</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4845	4763	4885	4611	4718	4692	3942	4303	4491	4475	4564	4180	5038	4732
<b>2 Total Generating Public Entities</b>	<b>4845</b>	<b>4763</b>	<b>4885</b>	<b>4611</b>	<b>4718</b>	<b>4692</b>	<b>3942</b>	<b>4303</b>	<b>4491</b>	<b>4475</b>	<b>4564</b>	<b>4180</b>	<b>5038</b>	<b>4732</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	96	96	92	87	89	90	86	86	96	97	97	100	100	97
<b>4 Total Non-Generating Public Entities</b>	<b>96</b>	<b>96</b>	<b>92</b>	<b>87</b>	<b>89</b>	<b>90</b>	<b>86</b>	<b>86</b>	<b>96</b>	<b>97</b>	<b>97</b>	<b>100</b>	<b>100</b>	<b>97</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11848	11865	11790	11764	11665	11623	11645	11410	11576	11787	11258	10359	11514	12027
<b>6 Total Investor-owned Entities</b>	<b>11848</b>	<b>11865</b>	<b>11790</b>	<b>11764</b>	<b>11665</b>	<b>11623</b>	<b>11645</b>	<b>11410</b>	<b>11576</b>	<b>11787</b>	<b>11258</b>	<b>10359</b>	<b>11514</b>	<b>12027</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4845	4763	4885	4611	4718	4692	3942	4303	4491	4475	4564	4180	5038	4732
8 Small & Non Generating Entities	96	96	92	87	89	90	86	86	96	97	97	100	100	97
9 Investor-Owned Entities	11848	11865	11790	11764	11665	11623	11645	11410	11576	11787	11258	10359	11514	12027
<b>10 Regional Total Dedicated Resources</b>	<b>16788</b>	<b>16724</b>	<b>16767</b>	<b>16463</b>	<b>16472</b>	<b>16405</b>	<b>15673</b>	<b>15799</b>	<b>16163</b>	<b>16359</b>	<b>15919</b>	<b>14638</b>	<b>16652</b>	<b>16856</b>



**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4846	4765	4887	4612	4588	4562	3811	4172	4361	4150	4239	4237	4909	4595
<b>2 Total Generating Public Entities</b>	<b>4846</b>	<b>4765</b>	<b>4887</b>	<b>4612</b>	<b>4588</b>	<b>4562</b>	<b>3811</b>	<b>4172</b>	<b>4361</b>	<b>4150</b>	<b>4239</b>	<b>4237</b>	<b>4909</b>	<b>4595</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	95	95	91	87	93	94	91	91	99	104	104	102	102	104
<b>4 Total Non-Generating Public Entities</b>	<b>95</b>	<b>95</b>	<b>91</b>	<b>87</b>	<b>93</b>	<b>94</b>	<b>91</b>	<b>91</b>	<b>99</b>	<b>104</b>	<b>104</b>	<b>102</b>	<b>102</b>	<b>104</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11851	11867	11791	11765	11524	11484	11503	11268	11435	11151	11154	11117	10938	11876
<b>6 Total Investor-owned Entities</b>	<b>11851</b>	<b>11867</b>	<b>11791</b>	<b>11765</b>	<b>11524</b>	<b>11484</b>	<b>11503</b>	<b>11268</b>	<b>11435</b>	<b>11151</b>	<b>11154</b>	<b>11117</b>	<b>10938</b>	<b>11876</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4846	4765	4887	4612	4588	4562	3811	4172	4361	4150	4239	4237	4909	4595
8 Small & Non Generating Entities	95	95	91	87	93	94	91	91	99	104	104	102	102	104
9 Investor-Owned Entities	11851	11867	11791	11765	11524	11484	11503	11268	11435	11151	11154	11117	10938	11876
<b>10 Regional Total Dedicated Resources</b>	<b>16792</b>	<b>16727</b>	<b>16769</b>	<b>16464</b>	<b>16205</b>	<b>16139</b>	<b>15406</b>	<b>15531</b>	<b>15895</b>	<b>15405</b>	<b>15496</b>	<b>15456</b>	<b>15949</b>	<b>16574</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4707	4626	4751	4477	4582	4555	3805	4166	4354	4152	4240	3997	4911	4548
<b>2 Total Generating Public Entities</b>	<b>4707</b>	<b>4626</b>	<b>4751</b>	<b>4477</b>	<b>4582</b>	<b>4555</b>	<b>3805</b>	<b>4166</b>	<b>4354</b>	<b>4152</b>	<b>4240</b>	<b>3997</b>	<b>4911</b>	<b>4548</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	101	101	93	90	92	93	91	91	98	103	103	101	101	103
<b>4 Total Non-Generating Public Entities</b>	<b>101</b>	<b>101</b>	<b>93</b>	<b>90</b>	<b>92</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>98</b>	<b>103</b>	<b>103</b>	<b>101</b>	<b>101</b>	<b>103</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11700	11715	11640	11612	11418	11377	11396	11161	11330	10627	10530	10579	11455	11869
<b>6 Total Investor-owned Entities</b>	<b>11700</b>	<b>11715</b>	<b>11640</b>	<b>11612</b>	<b>11418</b>	<b>11377</b>	<b>11396</b>	<b>11161</b>	<b>11330</b>	<b>10627</b>	<b>10530</b>	<b>10579</b>	<b>11455</b>	<b>11869</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4707	4626	4751	4477	4582	4555	3805	4166	4354	4152	4240	3997	4911	4548
8 Small & Non Generating Entities	101	101	93	90	92	93	91	91	98	103	103	101	101	103
9 Investor-Owned Entities	11700	11715	11640	11612	11418	11377	11396	11161	11330	10627	10530	10579	11455	11869
<b>10 Regional Total Dedicated Resources</b>	<b>16508</b>	<b>16442</b>	<b>16484</b>	<b>16179</b>	<b>16092</b>	<b>16025</b>	<b>15291</b>	<b>15417</b>	<b>15782</b>	<b>14882</b>	<b>14873</b>	<b>14678</b>	<b>16467</b>	<b>16520</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4709	4628	4753	4604	4714	4687	3922	4284	4475	4520	4609	4027	5125	4787
<b>2 Total Generating Public Entities</b>	<b>4709</b>	<b>4628</b>	<b>4753</b>	<b>4604</b>	<b>4714</b>	<b>4687</b>	<b>3922</b>	<b>4284</b>	<b>4475</b>	<b>4520</b>	<b>4609</b>	<b>4027</b>	<b>5125</b>	<b>4787</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	100	100	92	84	84	85	85	85	93	93	93	91	91	93
<b>4 Total Non-Generating Public Entities</b>	<b>100</b>	<b>100</b>	<b>92</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>93</b>	<b>93</b>	<b>93</b>	<b>91</b>	<b>91</b>	<b>93</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	11692	11708	11057	10911	10714	10672	10704	10469	10638	10795	10798	9318	10674	11112
<b>6 Total Investor-owned Entities</b>	<b>11692</b>	<b>11708</b>	<b>11057</b>	<b>10911</b>	<b>10714</b>	<b>10672</b>	<b>10704</b>	<b>10469</b>	<b>10638</b>	<b>10795</b>	<b>10798</b>	<b>9318</b>	<b>10674</b>	<b>11112</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4709	4628	4753	4604	4714	4687	3922	4284	4475	4520	4609	4027	5125	4787
8 Small & Non Generating Entities	100	100	92	84	84	85	85	85	93	93	93	91	91	93
9 Investor-Owned Entities	11692	11708	11057	10911	10714	10672	10704	10469	10638	10795	10798	9318	10674	11112
<b>10 Regional Total Dedicated Resources</b>	<b>16501</b>	<b>16436</b>	<b>15902</b>	<b>15599</b>	<b>15512</b>	<b>15444</b>	<b>14712</b>	<b>14839</b>	<b>15205</b>	<b>15407</b>	<b>15499</b>	<b>13436</b>	<b>15890</b>	<b>15991</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2012 - 2013 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4847	4766	4882	4607	4718	4691	3926	4288	4478	4523	4612	4030	5129	4790
<b>2 Total Generating Public Entities</b>	<b>4847</b>	<b>4766</b>	<b>4882</b>	<b>4607</b>	<b>4718</b>	<b>4691</b>	<b>3926</b>	<b>4288</b>	<b>4478</b>	<b>4523</b>	<b>4612</b>	<b>4030</b>	<b>5129</b>	<b>4790</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	90	90	86	84	84	85	85	85	92	92	92	90	90	92
<b>4 Total Non-Generating Public Entities</b>	<b>90</b>	<b>90</b>	<b>86</b>	<b>84</b>	<b>84</b>	<b>85</b>	<b>85</b>	<b>85</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>90</b>	<b>90</b>	<b>92</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	10987	11002	10933	10906	10704	10662	10696	10463	10632	10259	10261	10038	10728	11104
<b>6 Total Investor-owned Entities</b>	<b>10987</b>	<b>11002</b>	<b>10933</b>	<b>10906</b>	<b>10704</b>	<b>10662</b>	<b>10696</b>	<b>10463</b>	<b>10632</b>	<b>10259</b>	<b>10261</b>	<b>10038</b>	<b>10728</b>	<b>11104</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4847	4766	4882	4607	4718	4691	3926	4288	4478	4523	4612	4030	5129	4790
8 Small & Non Generating Entities	90	90	86	84	84	85	85	85	92	92	92	90	90	92
9 Investor-Owned Entities	10987	11002	10933	10906	10704	10662	10696	10463	10632	10259	10261	10038	10728	11104
<b>10 Regional Total Dedicated Resources</b>	<b>15924</b>	<b>15858</b>	<b>15901</b>	<b>15596</b>	<b>15506</b>	<b>15438</b>	<b>14707</b>	<b>14835</b>	<b>15202</b>	<b>14874</b>	<b>14966</b>	<b>14159</b>	<b>15947</b>	<b>15986</b>

**Table A-25: Dedicated Resources  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	4851	4770	4886	4610	4721	4694	3929	4291	4481	4525	4614	4032	5130	4792
<b>2 Total Generating Public Entities</b>	<b>4851</b>	<b>4770</b>	<b>4886</b>	<b>4610</b>	<b>4721</b>	<b>4694</b>	<b>3929</b>	<b>4291</b>	<b>4481</b>	<b>4525</b>	<b>4614</b>	<b>4032</b>	<b>5130</b>	<b>4792</b>
<b>-Non-Generating Public Entities-</b>														
3 Non-Generating Public Entities	89	89	85	83	83	84	84	84	91	91	91	90	90	91
<b>4 Total Non-Generating Public Entities</b>	<b>89</b>	<b>89</b>	<b>85</b>	<b>83</b>	<b>83</b>	<b>84</b>	<b>84</b>	<b>84</b>	<b>91</b>	<b>91</b>	<b>91</b>	<b>90</b>	<b>90</b>	<b>91</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	10978	10994	10923	10896	10697	10656	10692	10460	10629	10784	10785	9833	10658	11095
<b>6 Total Investor-owned Entities</b>	<b>10978</b>	<b>10994</b>	<b>10923</b>	<b>10896</b>	<b>10697</b>	<b>10656</b>	<b>10692</b>	<b>10460</b>	<b>10629</b>	<b>10784</b>	<b>10785</b>	<b>9833</b>	<b>10658</b>	<b>11095</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	4851	4770	4886	4610	4721	4694	3929	4291	4481	4525	4614	4032	5130	4792
8 Small & Non Generating Entities	89	89	85	83	83	84	84	84	91	91	91	90	90	91
9 Investor-Owned Entities	10978	10994	10923	10896	10697	10656	10692	10460	10629	10784	10785	9833	10658	11095
<b>10 Regional Total Dedicated Resources</b>	<b>15918</b>	<b>15853</b>	<b>15894</b>	<b>15590</b>	<b>15501</b>	<b>15434</b>	<b>14705</b>	<b>14834</b>	<b>15202</b>	<b>15400</b>	<b>15490</b>	<b>13955</b>	<b>15878</b>	<b>15978</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2004 - 2005 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5094	4669	4445	4790	5443	5767	5326	5320	5136	4774	4591	4466	4227	4683
<b>2 Total Generating Public Entities</b>	<b>5094</b>	<b>4669</b>	<b>4445</b>	<b>4790</b>	<b>5443</b>	<b>5767</b>	<b>5326</b>	<b>5320</b>	<b>5136</b>	<b>4774</b>	<b>4591</b>	<b>4466</b>	<b>4227</b>	<b>4683</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5342	5086	4808	5128	5529	5937	5806	5540	5361	5091	4982	4996	4866	5274
<b>4 Total Non-Generating Public Entities</b>	<b>5342</b>	<b>5086</b>	<b>4808</b>	<b>5128</b>	<b>5529</b>	<b>5937</b>	<b>5806</b>	<b>5540</b>	<b>5361</b>	<b>5091</b>	<b>4982</b>	<b>4996</b>	<b>4866</b>	<b>5274</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4139	4139	4123	4517	4985	5021	5168	5024	4473	4055	4182	2971	4332	4457
<b>6 Total Investor-owned Entities</b>	<b>4139</b>	<b>4139</b>	<b>4123</b>	<b>4517</b>	<b>4985</b>	<b>5021</b>	<b>5168</b>	<b>5024</b>	<b>4473</b>	<b>4055</b>	<b>4182</b>	<b>2971</b>	<b>4332</b>	<b>4457</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5094	4669	4445	4790	5443	5767	5326	5320	5136	4774	4591	4466	4227	4683
8 Non Generating Entities	5342	5086	4808	5128	5529	5937	5806	5540	5361	5091	4982	4996	4866	5274
9 Investor-Owned Entities	4139	4139	4123	4517	4985	5021	5168	5024	4473	4055	4182	2971	4332	4457
<b>10 Regional Total Dedicated Resources</b>	<b>14575</b>	<b>13894</b>	<b>13375</b>	<b>14435</b>	<b>15956</b>	<b>16726</b>	<b>16300</b>	<b>15884</b>	<b>14969</b>	<b>13921</b>	<b>13756</b>	<b>12433</b>	<b>13425</b>	<b>14415</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2005 - 2006 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5159	4737	4594	4988	5837	6161	5711	5683	5532	5132	4949	4918	4698	5028
<b>2 Total Generating Public Entities</b>	<b>5159</b>	<b>4737</b>	<b>4594</b>	<b>4988</b>	<b>5837</b>	<b>6161</b>	<b>5711</b>	<b>5683</b>	<b>5532</b>	<b>5132</b>	<b>4949</b>	<b>4918</b>	<b>4698</b>	<b>5028</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5426	5171	4889	5184	5589	6004	5878	5609	5432	5156	5047	5136	5003	5333
<b>4 Total Non-Generating Public Entities</b>	<b>5426</b>	<b>5171</b>	<b>4889</b>	<b>5184</b>	<b>5589</b>	<b>6004</b>	<b>5878</b>	<b>5609</b>	<b>5432</b>	<b>5156</b>	<b>5047</b>	<b>5136</b>	<b>5003</b>	<b>5333</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4495	4501	4407	4751	5217	5248	5244	5099	4419	4261	4255	3044	4402	3889
<b>6 Total Investor-owned Entities</b>	<b>4495</b>	<b>4501</b>	<b>4407</b>	<b>4751</b>	<b>5217</b>	<b>5248</b>	<b>5244</b>	<b>5099</b>	<b>4419</b>	<b>4261</b>	<b>4255</b>	<b>3044</b>	<b>4402</b>	<b>3889</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5159	4737	4594	4988	5837	6161	5711	5683	5532	5132	4949	4918	4698	5028
8 Non Generating Entities	5426	5171	4889	5184	5589	6004	5878	5609	5432	5156	5047	5136	5003	5333
9 Investor-Owned Entities	4495	4501	4407	4751	5217	5248	5244	5099	4419	4261	4255	3044	4402	3889
<b>10 Regional Total Dedicated Resources</b>	<b>15080</b>	<b>14409</b>	<b>13890</b>	<b>14923</b>	<b>16643</b>	<b>17413</b>	<b>16832</b>	<b>16391</b>	<b>15383</b>	<b>14548</b>	<b>14251</b>	<b>13098</b>	<b>14103</b>	<b>14250</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2006 - 2007 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5331	4911	4763	5464	6078	6445	5803	5754	5645	5184	5001	4833	4606	5192
<b>2 Total Generating Public Entities</b>	<b>5331</b>	<b>4911</b>	<b>4763</b>	<b>5464</b>	<b>6078</b>	<b>6445</b>	<b>5803</b>	<b>5754</b>	<b>5645</b>	<b>5184</b>	<b>5001</b>	<b>4833</b>	<b>4606</b>	<b>5192</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5486	5232	4958	5378	5804	6206	6070	5807	5625	5353	5244	5234	5123	5525
<b>4 Total Non-Generating Public Entities</b>	<b>5486</b>	<b>5232</b>	<b>4958</b>	<b>5378</b>	<b>5804</b>	<b>6206</b>	<b>6070</b>	<b>5807</b>	<b>5625</b>	<b>5353</b>	<b>5244</b>	<b>5234</b>	<b>5123</b>	<b>5525</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	3858	4509	4415	4300	4761	4789	4884	4739	4190	3478	3346	2261	4045	4182
<b>6 Total Investor-owned Entities</b>	<b>3858</b>	<b>4509</b>	<b>4415</b>	<b>4300</b>	<b>4761</b>	<b>4789</b>	<b>4884</b>	<b>4739</b>	<b>4190</b>	<b>3478</b>	<b>3346</b>	<b>2261</b>	<b>4045</b>	<b>4182</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5331	4911	4763	5464	6078	6445	5803	5754	5645	5184	5001	4833	4606	5192
8 Non Generating Entities	5486	5232	4958	5378	5804	6206	6070	5807	5625	5353	5244	5234	5123	5525
9 Investor-Owned Entities	3858	4509	4415	4300	4761	4789	4884	4739	4190	3478	3346	2261	4045	4182
<b>10 Regional Total Dedicated Resources</b>	<b>14674</b>	<b>14652</b>	<b>14136</b>	<b>15142</b>	<b>16643</b>	<b>17440</b>	<b>16757</b>	<b>16300</b>	<b>15460</b>	<b>14016</b>	<b>13591</b>	<b>12328</b>	<b>13774</b>	<b>14898</b>



**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2007 - 2008 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5567	5152	4977	5370	5999	6371	5811	5791	5667	5174	4990	4975	4764	5193
<b>2 Total Generating Public Entities</b>	<b>5567</b>	<b>5152</b>	<b>4977</b>	<b>5370</b>	<b>5999</b>	<b>6371</b>	<b>5811</b>	<b>5791</b>	<b>5667</b>	<b>5174</b>	<b>4990</b>	<b>4975</b>	<b>4764</b>	<b>5193</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5698	5447	5155	5430	5859	6270	6127	5863	5686	5404	5295	5364	5249	5575
<b>4 Total Non-Generating Public Entities</b>	<b>5698</b>	<b>5447</b>	<b>5155</b>	<b>5430</b>	<b>5859</b>	<b>6270</b>	<b>6127</b>	<b>5863</b>	<b>5686</b>	<b>5404</b>	<b>5295</b>	<b>5364</b>	<b>5249</b>	<b>5575</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4153	4160	4064	4400	4858	4886	4580	4439	4191	3894	3755	2794	4351	4489
<b>6 Total Investor-owned Entities</b>	<b>4153</b>	<b>4160</b>	<b>4064</b>	<b>4400</b>	<b>4858</b>	<b>4886</b>	<b>4580</b>	<b>4439</b>	<b>4191</b>	<b>3894</b>	<b>3755</b>	<b>2794</b>	<b>4351</b>	<b>4489</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5567	5152	4977	5370	5999	6371	5811	5791	5667	5174	4990	4975	4764	5193
8 Non Generating Entities	5698	5447	5155	5430	5859	6270	6127	5863	5686	5404	5295	5364	5249	5575
9 Investor-Owned Entities	4153	4160	4064	4400	4858	4886	4580	4439	4191	3894	3755	2794	4351	4489
<b>10 Regional Total Dedicated Resources</b>	<b>15417</b>	<b>14760</b>	<b>14196</b>	<b>15201</b>	<b>16717</b>	<b>17527</b>	<b>16518</b>	<b>16093</b>	<b>15544</b>	<b>14471</b>	<b>14040</b>	<b>13133</b>	<b>14364</b>	<b>15258</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2008 - 2009 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5592	5179	4971	5386	6034	6371	5829	5783	5689	5185	5002	4877	4631	5206
<b>2 Total Generating Public Entities</b>	<b>5592</b>	<b>5179</b>	<b>4971</b>	<b>5386</b>	<b>6034</b>	<b>6371</b>	<b>5829</b>	<b>5783</b>	<b>5689</b>	<b>5185</b>	<b>5002</b>	<b>4877</b>	<b>4631</b>	<b>5206</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5745	5496	5202	5480	5913	6330	6185	5917	5743	5455	5346	5338	5219	5622
<b>4 Total Non-Generating Public Entities</b>	<b>5745</b>	<b>5496</b>	<b>5202</b>	<b>5480</b>	<b>5913</b>	<b>6330</b>	<b>6185</b>	<b>5917</b>	<b>5743</b>	<b>5455</b>	<b>5346</b>	<b>5338</b>	<b>5219</b>	<b>5622</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4460	4466	4364	4398	4564	4590	4589	4442	4188	3897	3770	2394	3725	4506
<b>6 Total Investor-owned Entities</b>	<b>4460</b>	<b>4466</b>	<b>4364</b>	<b>4398</b>	<b>4564</b>	<b>4590</b>	<b>4589</b>	<b>4442</b>	<b>4188</b>	<b>3897</b>	<b>3770</b>	<b>2394</b>	<b>3725</b>	<b>4506</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5592	5179	4971	5386	6034	6371	5829	5783	5689	5185	5002	4877	4631	5206
8 Non Generating Entities	5745	5496	5202	5480	5913	6330	6185	5917	5743	5455	5346	5338	5219	5622
9 Investor-Owned Entities	4460	4466	4364	4398	4564	4590	4589	4442	4188	3897	3770	2394	3725	4506
<b>10 Regional Total Dedicated Resources</b>	<b>15797</b>	<b>15141</b>	<b>14536</b>	<b>15264</b>	<b>16511</b>	<b>17291</b>	<b>16603</b>	<b>16142</b>	<b>15621</b>	<b>14537</b>	<b>14118</b>	<b>12609</b>	<b>13575</b>	<b>15334</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2009 - 2010 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5604	5193	4981	5404	6319	6660	6112	6065	5993	5480	5296	5301	5052	5498
<b>2 Total Generating Public Entities</b>	<b>5604</b>	<b>5193</b>	<b>4981</b>	<b>5404</b>	<b>6319</b>	<b>6660</b>	<b>6112</b>	<b>6065</b>	<b>5993</b>	<b>5480</b>	<b>5296</b>	<b>5301</b>	<b>5052</b>	<b>5498</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5792	5544	5248	5530	5967	6390	6250	5980	5808	5513	5404	5474	5351	5678
<b>4 Total Non-Generating Public Entities</b>	<b>5792</b>	<b>5544</b>	<b>5248</b>	<b>5530</b>	<b>5967</b>	<b>6390</b>	<b>6250</b>	<b>5980</b>	<b>5808</b>	<b>5513</b>	<b>5404</b>	<b>5474</b>	<b>5351</b>	<b>5678</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4475	4228	4124	4157	4312	4343	4336	4190	3920	3636	3642	2143	3395	4174
<b>6 Total Investor-owned Entities</b>	<b>4475</b>	<b>4228</b>	<b>4124</b>	<b>4157</b>	<b>4312</b>	<b>4343</b>	<b>4336</b>	<b>4190</b>	<b>3920</b>	<b>3636</b>	<b>3642</b>	<b>2143</b>	<b>3395</b>	<b>4174</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5604	5193	4981	5404	6319	6660	6112	6065	5993	5480	5296	5301	5052	5498
8 Non Generating Entities	5792	5544	5248	5530	5967	6390	6250	5980	5808	5513	5404	5474	5351	5678
9 Investor-Owned Entities	4475	4228	4124	4157	4312	4343	4336	4190	3920	3636	3642	2143	3395	4174
<b>10 Regional Total Dedicated Resources</b>	<b>15870</b>	<b>14965</b>	<b>14352</b>	<b>15091</b>	<b>16599</b>	<b>17394</b>	<b>16698</b>	<b>16234</b>	<b>15721</b>	<b>14630</b>	<b>14342</b>	<b>12918</b>	<b>13797</b>	<b>15349</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2010 - 2011 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5893	5485	5268	5713	6340	6708	6155	6102	6019	5506	5315	5193	4991	5630
<b>2 Total Generating Public Entities</b>	<b>5893</b>	<b>5485</b>	<b>5268</b>	<b>5713</b>	<b>6340</b>	<b>6708</b>	<b>6155</b>	<b>6102</b>	<b>6019</b>	<b>5506</b>	<b>5315</b>	<b>5193</b>	<b>4991</b>	<b>5630</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5846	5599	5302	5588	6028	6457	6307	6035	5865	5567	5454	5447	5319	5724
<b>4 Total Non-Generating Public Entities</b>	<b>5846</b>	<b>5599</b>	<b>5302</b>	<b>5588</b>	<b>6028</b>	<b>6457</b>	<b>6307</b>	<b>6035</b>	<b>5865</b>	<b>5567</b>	<b>5454</b>	<b>5447</b>	<b>5319</b>	<b>5724</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4137	4135	4110	4386	4543	4563	4457	4313	4200	3655	3796	2718	3497	4271
<b>6 Total Investor-owned Entities</b>	<b>4137</b>	<b>4135</b>	<b>4110</b>	<b>4386</b>	<b>4543</b>	<b>4563</b>	<b>4457</b>	<b>4313</b>	<b>4200</b>	<b>3655</b>	<b>3796</b>	<b>2718</b>	<b>3497</b>	<b>4271</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5893	5485	5268	5713	6340	6708	6155	6102	6019	5506	5315	5193	4991	5630
8 Non Generating Entities	5846	5599	5302	5588	6028	6457	6307	6035	5865	5567	5454	5447	5319	5724
9 Investor-Owned Entities	4137	4135	4110	4386	4543	4563	4457	4313	4200	3655	3796	2718	3497	4271
<b>10 Regional Total Dedicated Resources</b>	<b>15875</b>	<b>15218</b>	<b>14680</b>	<b>15687</b>	<b>16911</b>	<b>17728</b>	<b>16919</b>	<b>16450</b>	<b>16084</b>	<b>14728</b>	<b>14565</b>	<b>13358</b>	<b>13808</b>	<b>15625</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2011 - 2012 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5945	5539	5334	5850	6458	6837	6257	6194	6115	5589	5393	5392	5184	5621
<b>2 Total Generating Public Entities</b>	<b>5945</b>	<b>5539</b>	<b>5334</b>	<b>5850</b>	<b>6458</b>	<b>6837</b>	<b>6257</b>	<b>6194</b>	<b>6115</b>	<b>5589</b>	<b>5393</b>	<b>5392</b>	<b>5184</b>	<b>5621</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5887	5642	5343	5665	6113	6546	6279	6056	5847	5548	5431	5525	5417	5735
<b>4 Total Non-Generating Public Entities</b>	<b>5887</b>	<b>5642</b>	<b>5343</b>	<b>5665</b>	<b>6113</b>	<b>6546</b>	<b>6279</b>	<b>6056</b>	<b>5847</b>	<b>5548</b>	<b>5431</b>	<b>5525</b>	<b>5417</b>	<b>5735</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4232	4228	4202	4236	4438	4457	4451	4313	4072	3796	3677	2430	3527	4298
<b>6 Total Investor-owned Entities</b>	<b>4232</b>	<b>4228</b>	<b>4202</b>	<b>4236</b>	<b>4438</b>	<b>4457</b>	<b>4451</b>	<b>4313</b>	<b>4072</b>	<b>3796</b>	<b>3677</b>	<b>2430</b>	<b>3527</b>	<b>4298</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5945	5539	5334	5850	6458	6837	6257	6194	6115	5589	5393	5392	5184	5621
8 Non Generating Entities	5887	5642	5343	5665	6113	6546	6279	6056	5847	5548	5431	5525	5417	5735
9 Investor-Owned Entities	4232	4228	4202	4236	4438	4457	4451	4313	4072	3796	3677	2430	3527	4298
<b>10 Regional Total Dedicated Resources</b>	<b>16064</b>	<b>15409</b>	<b>14879</b>	<b>15751</b>	<b>17008</b>	<b>17840</b>	<b>16988</b>	<b>16564</b>	<b>16034</b>	<b>14934</b>	<b>14501</b>	<b>13348</b>	<b>14128</b>	<b>15654</b>

**Table A-26: Other Dedicated Resources**  
**PNW Loads and Resources Study**  
**2012 - 2013 Operating Year**  
**1937 Water Year**  
**2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5974	5571	5373	5868	6479	6860	6276	6213	6138	5613	5410	5283	5073	5640
<b>2 Total Generating Public Entities</b>	<b>5974</b>	<b>5571</b>	<b>5373</b>	<b>5868</b>	<b>6479</b>	<b>6860</b>	<b>6276</b>	<b>6213</b>	<b>6138</b>	<b>5613</b>	<b>5410</b>	<b>5283</b>	<b>5073</b>	<b>5640</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5892	5650	5361	5693	6144	6581	6339	6114	5906	5604	5484	5502	5388	5784
<b>4 Total Non-Generating Public Entities</b>	<b>5892</b>	<b>5650</b>	<b>5361</b>	<b>5693</b>	<b>6144</b>	<b>6581</b>	<b>6339</b>	<b>6114</b>	<b>5906</b>	<b>5604</b>	<b>5484</b>	<b>5502</b>	<b>5388</b>	<b>5784</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4258	4254	4232	4251	4422	4442	4437	4305	4103	3820	3692	2733	3541	4311
<b>6 Total Investor-owned Entities</b>	<b>4258</b>	<b>4254</b>	<b>4232</b>	<b>4251</b>	<b>4422</b>	<b>4442</b>	<b>4437</b>	<b>4305</b>	<b>4103</b>	<b>3820</b>	<b>3692</b>	<b>2733</b>	<b>3541</b>	<b>4311</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5974	5571	5373	5868	6479	6860	6276	6213	6138	5613	5410	5283	5073	5640
8 Non Generating Entities	5892	5650	5361	5693	6144	6581	6339	6114	5906	5604	5484	5502	5388	5784
9 Investor-Owned Entities	4258	4254	4232	4251	4422	4442	4437	4305	4103	3820	3692	2733	3541	4311
<b>10 Regional Total Dedicated Resources</b>	<b>16125</b>	<b>15475</b>	<b>14966</b>	<b>15811</b>	<b>17045</b>	<b>17884</b>	<b>17052</b>	<b>16632</b>	<b>16146</b>	<b>15037</b>	<b>14586</b>	<b>13518</b>	<b>14002</b>	<b>15736</b>

**Table A-26: Other Dedicated Resources  
PNW Loads and Resources Study  
2013 - 2014 Operating Year  
1937 Water Year  
2003 White Book**

3/31/2004

<i>Capacity 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>
<b>-Generating Public Entities-</b>														
1 Generating Public Entities	5990	5591	5390	5888	6498	6881	6293	6230	6159	5634	5426	5430	5278	5717
<b>2 Total Generating Public Entities</b>	<b>5990</b>	<b>5591</b>	<b>5390</b>	<b>5888</b>	<b>6498</b>	<b>6881</b>	<b>6293</b>	<b>6230</b>	<b>6159</b>	<b>5634</b>	<b>5426</b>	<b>5430</b>	<b>5278</b>	<b>5717</b>
<b>-Non-Generating Public Entities-</b>														
3 Small & Non Generating Public Entities	5940	5699	5409	5745	6201	6643	6395	6169	5960	5657	5533	5629	5511	5831
<b>4 Total Non-Generating Public Entities</b>	<b>5940</b>	<b>5699</b>	<b>5409</b>	<b>5745</b>	<b>6201</b>	<b>6643</b>	<b>6395</b>	<b>6169</b>	<b>5960</b>	<b>5657</b>	<b>5533</b>	<b>5629</b>	<b>5511</b>	<b>5831</b>
<b>-Investor-Owned Entities-</b>														
5 Investor-Owned Entities	4270	4270	4242	4241	4166	4191	4443	4312	4110	3825	3691	2309	3503	4272
<b>6 Total Investor-owned Entities</b>	<b>4270</b>	<b>4270</b>	<b>4242</b>	<b>4241</b>	<b>4166</b>	<b>4191</b>	<b>4443</b>	<b>4312</b>	<b>4110</b>	<b>3825</b>	<b>3691</b>	<b>2309</b>	<b>3503</b>	<b>4272</b>
<b>-Total Dedicated Resources-</b>														
7 Generating Public Entities	5990	5591	5390	5888	6498	6881	6293	6230	6159	5634	5426	5430	5278	5717
8 Non Generating Entities	5940	5699	5409	5745	6201	6643	6395	6169	5960	5657	5533	5629	5511	5831
9 Investor-Owned Entities	4270	4270	4242	4241	4166	4191	4443	4312	4110	3825	3691	2309	3503	4272
<b>10 Regional Total Dedicated Resources</b>	<b>16200</b>	<b>15559</b>	<b>15041</b>	<b>15874</b>	<b>16864</b>	<b>17715</b>	<b>17130</b>	<b>16711</b>	<b>16229</b>	<b>15116</b>	<b>14651</b>	<b>13368</b>	<b>14292</b>	<b>15820</b>

**BonnevillePowerAdministration**

**PO Box 3621 Portland, Oregon 97208-3621**

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