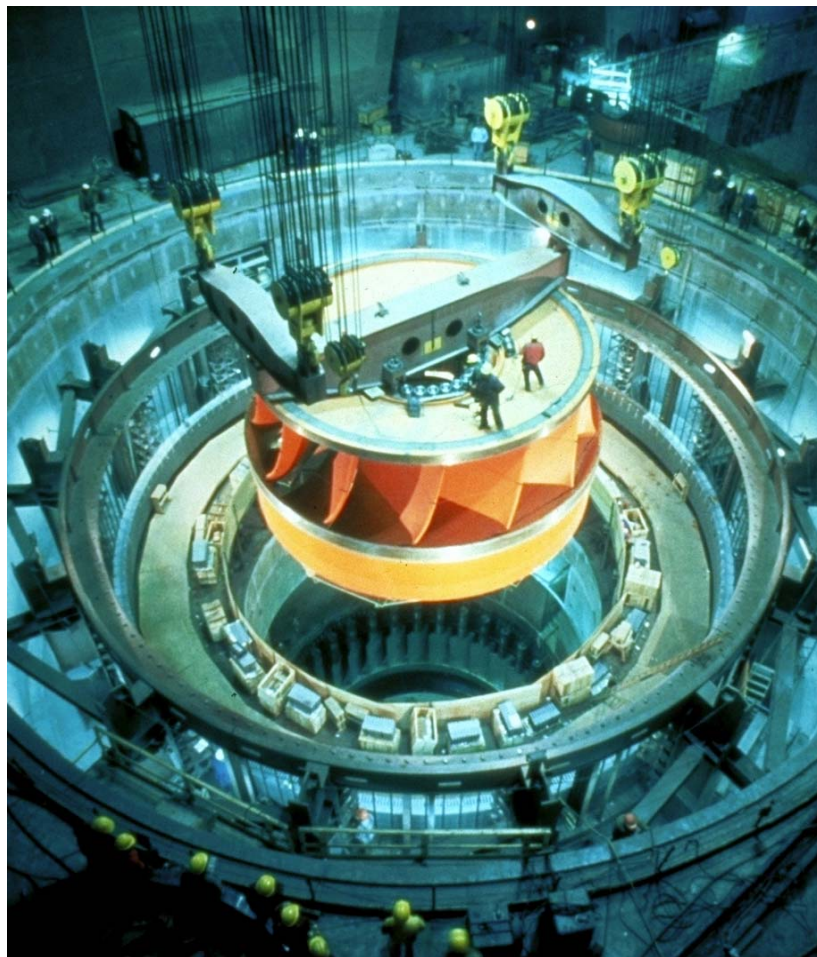


2006 Pacific Northwest Loads & Resources Study

Operating Years 2007 through 2016

Technical Appendix Volume 2: Capacity Analysis

March 2006



2006 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

The White Book

TECHNICAL APPENDIX

VOLUME 2

CAPACITY ANALYSIS

**BONNEVILLE POWER ADMINISTRATION
March 2006**

Cover Picture:

Source: BPA Photo archive

Pictured is the impeller installation of a generator turbine at Grand Coulee Dam, which has been in service since September 28, 1941.

Grand Coulee Dam is a large hydroelectric dam located on the Columbia River in Central Washington and is the largest concrete structure in the United States and the third largest hydroelectric facility in the world. With its 24 generators providing up to 6.5 million kilowatts of power, it is a major provider of electrical power to the Northwest.

ACKNOWLEDGMENTS

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

Bonneville Power Administration

Generation Supply: Regional Coordination Group

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

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

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

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Loads and Resources Information System

**2006 Pacific Northwest Loads and Resources
For Operating Years 2007 Through 2016
Technical Appendix, Volume 2
Capacity Analysis**

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

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

For OY 2007 – 2016

Power Business Line

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Loads and Resources Information System

Loads and Resources - Federal System
PNW Loads and Resource Study
2006 - 2007 Operating Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	223	223	176	218	227	215	240	227	215	200	200	193	210	203
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	265	265	265	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	708	715	647	254	227	215	240	227	243	426	462	481	470	472
Transfers Out														
<i>NGP 2002 PSC</i>	3587	3602	3484	4077	4323	4510	4801	4612	4216	3940	3938	3756	3746	3907
<i>GPU 2002 PSC</i>	2101	2101	2177	2642	2998	3307	3344	3281	3076	2760	2760	2447	2099	2112
<i>NGP 2002 Slice PSC</i>	955	782	719	772	880	894	794	798	773	678	564	589	960	925
<i>GPU 2002 Slice PSC</i>	1591	1302	1197	1285	1466	1489	1323	1330	1287	1130	940	981	1598	1540
<i>IOU 2002 PSC</i>	382	382	382	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1791	1791	1787	1543	1468	1483	1480	1480	1470	1476	1476	1566	1567	1579
<i>Regional Transfers (Out)</i>	918	918	697	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-490	-492	-625	-434	-376	-629	-383	-394	-462	-465	-468	-589	-582	-460
<i>Total Transfers Out</i>	10835	10387	9817	10584	11676	12026	12304	12008	11151	10282	9973	9342	10033	10262
<i>Total Firm Obligations</i>	11543	11102	10463	10839	11903	12241	12545	12235	11394	10708	10436	9823	10503	10734
Hydro Resources														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20519
<i>Independent Hydro</i>	721	733	713	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4405	-6965	-8088	-7694	-6604	-7006	-8659	-8181	-8157	-8261	-9603	-9007	-5250	-5505
<i>Non-Fed CER (Canada)</i>	234	234	234	234	234	234	234	234	234	228	228	228	228	228
<i>Total Hydro Resources</i>	16751	14087	13297	13770	15051	14374	12662	13192	12920	12048	10389	11683	16205	15958
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	139	139	168	204	257	311	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	848	848	871	408	408	385	10	10	10	10	10	10	10	10
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	2195	2195	2231	1822	1884	1909	1459	1414	1385	1387	1387	162	162	1323
<i>Total Resources</i>	18946	16283	15528	15592	16936	16283	14121	14606	14306	13435	11776	11845	16367	17281
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1046	-1041	-1058	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-341	-287	-266	-279	-312	-316	-285	-286	-279	-255	-220	-219	-333	-333
<i>Federal Trans. Losses</i>	-473	-403	-377	-379	-424	-431	-375	-375	-365	-333	-288	-296	-447	-433
<i>Total Reserves, Maintenance & Losses</i>	-5299	-4666	-4645	-4647	-4689	-3846	-3298	-3777	-3777	-3829	-3476	-3298	-3480	-4787
<i>Total Net Resources</i>	13647	11616	10883	10945	12247	12436	10823	10829	10529	9607	8300	8546	12888	12494
<i>Total Firm Surplus/Deficit</i>	2104	514	420	106	344	195	-1722	-1406	-865	-1101	-2136	-1276	2385	1760

Loads and Resources - Federal System
PNW Loads and Resource Study
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	246	246	188	231	241	226	255	240	227	211	211	201	222	215
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	466	473	393	267	241	226	255	240	255	437	473	489	482	484
Transfers Out														
<i>NGP 2002 PSC</i>	3807	3807	3577	4198	4425	4619	4913	4716	4314	4028	4026	3838	3827	3993
<i>GPU 2002 PSC</i>	2225	2225	2470	2990	3372	3693	3760	3730	3440	3034	3034	2578	2272	2238
<i>NGP 2002 Slice PSC</i>	955	783	719	773	882	896	794	799	774	680	566	670	1039	938
<i>GPU 2002 Slice PSC</i>	1591	1304	1197	1288	1468	1491	1323	1331	1290	1132	943	1115	1731	1562
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1575	1575	1569	1545	1470	1486	1482	1482	1472	1477	1451	1515	1516	1528
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-546	-547	-683	-445	-384	-745	-449	-464	-537	-534	-536	-670	-647	-509
<i>Total Transfers Out</i>	10212	9752	9482	11048	12149	12410	12768	12495	11544	10580	10246	9638	10384	10410
<i>Total Firm Obligations</i>	10679	10225	9876	11315	12390	12637	13023	12736	11799	11017	10719	10128	10866	10894
Hydro Resources														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20519
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4380	-6934	-8065	-7668	-6583	-6987	-8659	-8167	-8136	-8244	-9583	-8968	-5224	-5339
<i>Non-Fed CER (Canada)</i>	228	228	228	228	228	228	228	228	228	225	225	225	225	225
<i>Total Hydro Resources</i>	16750	14093	13293	13790	15067	14387	12656	13201	12935	12063	10406	11719	16228	16122
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	10	10	33	33	33	10	10	10	10	10	10	10	10	10
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1307	1307	1343	1397	1459	1484	1459	1414	1385	1387	1387	1312	1312	1323
<i>Total Resources</i>	18057	15400	14636	15186	16526	15871	14115	14615	14321	13450	11793	13031	17540	17444
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1045	-1040	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-341	-287	-266	-279	-312	-317	-285	-287	-279	-255	-220	-254	-368	-337
<i>Federal Trans. Losses</i>	-443	-373	-347	-366	-411	-417	-375	-376	-365	-333	-288	-329	-479	-438
<i>Total Reserves, Maintenance & Losses</i>	-5268	-4636	-4614	-4634	-4675	-3833	-3297	-3778	-3778	-3829	-3477	-3539	-3719	-4797
<i>Total Net Resources</i>	12789	10764	10022	10553	11850	12038	10817	10837	10543	9620	8316	9492	13821	12648
<i>Total Firm Surplus/Deficit</i>	2111	539	146	-762	-540	-599	-2206	-1899	-1256	-1397	-2403	-635	2954	1753

Loads and Resources - Federal System
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 2008 - 2009 Operating Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	264	264	198	255	267	248	283	265	250	231	231	218	246	237
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	484	491	403	291	267	248	283	265	278	457	493	506	506	506
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	3897	3897	3661	4247	4476	4672	4969	4776	4364	4073	4071	3881	3868	4036
<i>GPU 2002 PSC</i>	2371	2371	2590	3021	3424	3709	3801	3771	3476	3064	3064	2621	2280	2260
<i>NGP 2002 Slice PSC</i>	964	795	719	773	882	896	794	799	774	687	575	605	981	969
<i>GPU 2002 Slice PSC</i>	1605	1324	1197	1288	1468	1491	1322	1331	1290	1143	958	1008	1634	1614
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1531	1531	1525	1454	1403	1413	1411	1411	1404	1418	1418	1485	1486	1494
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-603	-604	-759	-509	-445	-756	-455	-472	-545	-541	-544	-680	-657	-516
<i>Total Transfers Out</i>	10369	9919	9566	10976	12125	12397	12785	12517	11554	10608	10306	9513	10236	10516
<i>Total Firm Obligations</i>	10854	10410	9969	11266	12392	12645	13068	12783	11831	11065	10799	10019	10743	11022
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4268	-6777	-8059	-7661	-6576	-6980	-8659	-8162	-8131	-8165	-9477	-8811	-4993	-4958
<i>Non-Fed CER (Canada)</i>	225	225	225	225	225	225	225	225	225	236	236	236	236	236
<i>Total Hydro Resources</i>	16859	14247	13296	13794	15071	14391	12653	13202	12937	12153	10523	11886	16470	16514
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	10	10	33	33	33	10	10	10	10	10	10	10	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1307	1307	1343	1397	1459	1484	1459	1414	1385	1387	1387	162	152	1313
<i>Total Resources</i>	18167	15555	14640	15191	16530	15874	14112	14617	14323	13539	11910	12048	16622	17827
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1045	-1040	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-344	-291	-266	-280	-313	-317	-285	-287	-280	-257	-223	-224	-340	-346
<i>Federal Trans. Losses</i>	-447	-378	-347	-366	-411	-417	-375	-376	-365	-336	-292	-303	-455	-451
<i>Total Reserves, Maintenance & Losses</i>	-5274	-4645	-4615	-4634	-4676	-3833	-3297	-3778	-3778	-3834	-3484	-3310	-3494	-4819
<i>Total Net Resources</i>	12892	10909	10025	10557	11854	12041	10814	10838	10545	9705	8426	8739	13128	13008
<i>Total Firm Surplus/Deficit</i>	2039	499	56	-709	-538	-604	-2254	-1944	-1286	-1360	-2372	-1280	2385	1986

Loads and Resources - Federal System
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 1937 Water Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	300	300	216	256	268	249	284	267	251	232	232	219	247	238
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	520	527	421	292	268	249	284	267	279	458	494	507	507	508
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	3940	3940	3702	4288	4519	4715	5015	4820	4406	4112	4110	3916	3902	4071
<i>GPU 2002 PSC</i>	2393	2393	2613	3055	3461	3750	3842	3812	3512	3097	3097	2650	2304	2284
<i>NGP 2002 Slice PSC</i>	975	818	712	771	879	893	789	796	771	683	572	680	1055	967
<i>GPU 2002 Slice PSC</i>	1624	1362	1186	1284	1464	1487	1315	1326	1285	1138	952	1132	1757	1610
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1600	1600	1596	1556	1504	1514	1511	1511	1506	1521	1521	1588	1565	1572
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-613	-614	-770	-514	-449	-764	-460	-477	-551	-547	-550	-687	-663	-521
<i>Total Transfers Out</i>	10524	10104	9673	11140	12295	12565	12958	12690	11720	10767	10465	9871	10565	10642
<i>Total Firm Obligations</i>	11044	10631	10094	11432	12563	12814	13242	12957	11998	11225	10959	10378	11072	11149
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4226	-6591	-8043	-7641	-6558	-6964	-8659	-8151	-8116	-8154	-9467	-8796	-4979	-4935
<i>Non-Fed CER (Canada)</i>	236	236	236	236	236	236	236	236	236	244	244	244	244	244
<i>Total Hydro Resources</i>	17123	14655	13323	13825	15099	14418	12664	13224	12963	12171	10541	11910	16491	16545
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	34	34	17	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1297	1297	1333	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18420	15952	14657	15232	16560	15912	14133	14650	14359	13569	11939	13216	17814	17882
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-350	-301	-267	-280	-313	-318	-285	-287	-280	-258	-224	-258	-375	-347
<i>Federal Trans. Losses</i>	-455	-391	-348	-367	-412	-419	-376	-377	-367	-337	-293	-335	-488	-453
<i>Total Reserves, Maintenance & Losses</i>	-5299	-4678	-4616	-4637	-4678	-3837	-3300	-3781	-3781	-3837	-3486	-3549	-3736	-4823
<i>Total Net Resources</i>	13121	11274	10041	10594	11882	12076	10834	10869	10578	9732	8452	9667	14078	13059
<i>Total Firm Surplus/Deficit</i>	2077	643	-52	-837	-680	-739	-2408	-2088	-1420	-1493	-2506	-711	3006	1910

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	301	301	217	257	269	250	286	268	253	233	233	220	248	240
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	521	528	422	293	269	250	286	268	280	459	495	508	508	509
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	3973	3970	3736	4332	4564	4760	5064	4868	4450	4152	4150	3953	3936	4106
<i>GPU 2002 PSC</i>	2417	2417	2638	3104	3482	3791	3884	3855	3549	3132	3132	2680	2330	2324
<i>NGP 2002 Slice PSC</i>	981	824	717	773	881	894	790	797	773	684	572	603	978	968
<i>GPU 2002 Slice PSC</i>	1634	1372	1195	1287	1467	1489	1316	1328	1287	1138	953	1005	1630	1612
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1569	1569	1565	1541	1498	1509	1506	1506	1499	1512	1512	1571	1572	1580
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-619	-619	-777	-520	-455	-773	-465	-482	-557	-553	-556	-694	-670	-526
<i>Total Transfers Out</i>	10560	10138	9707	11217	12353	12643	13041	12773	11792	10829	10527	9710	10421	10724
<i>Total Firm Obligations</i>	11081	10666	10130	11510	12622	12894	13326	13041	12072	11288	11022	10218	10930	11232
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4213	-6575	-8034	-7630	-6548	-6955	-8659	-8145	-8109	-8148	-9460	-8785	-4970	-4922
<i>Non-Fed CER (Canada)</i>	244	244	244	244	244	244	244	244	244	242	242	242	242	242
<i>Total Hydro Resources</i>	17144	14678	13340	13844	15118	14435	12672	13239	12978	12176	10547	11919	16498	16556
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18460	15995	14709	15251	16579	15930	14141	14664	14375	13573	11944	12075	16671	17893
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-351	-302	-268	-281	-314	-318	-285	-288	-281	-258	-224	-224	-341	-348
<i>Federal Trans. Losses</i>	-456	-392	-350	-368	-412	-419	-376	-377	-367	-337	-293	-304	-457	-453
<i>Total Reserves, Maintenance & Losses</i>	-5302	-4681	-4620	-4638	-4679	-3837	-3300	-3782	-3782	-3837	-3487	-3312	-3498	-4823
<i>Total Net Resources</i>	13158	11313	10089	10613	11900	12092	10841	10882	10593	9736	8458	8764	13173	13069
<i>Total Firm Surplus/Deficit</i>	2077	647	-40	-898	-722	-801	-2485	-2159	-1479	-1552	-2564	-1455	2244	1837

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	302	302	218	259	270	251	287	269	254	234	234	221	249	241
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	522	529	423	295	271	252	287	270	281	460	496	509	509	510
Transfers Out														
<i>NGP 2002 PSC</i>	4004	4004	3767	4439	4663	4858	5174	4960	4550	4250	4247	4043	4032	4204
<i>GPU 2002 PSC</i>	2428	2428	2663	3046	3452	3719	3822	3831	3481	3090	3090	2978	2410	2395
<i>NGP 2002 Slice PSC</i>	982	824	718	773	881	895	790	798	773	684	572	681	1056	968
<i>GPU 2002 Slice PSC</i>	1635	1373	1195	1288	1467	1490	1316	1328	1288	1139	953	1134	1759	1612
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1580	1580	1575	1465	1419	1420	1418	1419	1418	1447	1447	1510	1511	1512
<i>Regional Transfers (Out)</i>	605	605	59	108	325	379	353	309	199	172	172	0.1	53	68
<i>Federal Diversity</i>	-625	-626	-785	-523	-456	-775	-467	-483	-559	-556	-559	-734	-684	-537
<i>Total Transfers Out</i>	10608	10189	9192	10596	11751	11986	12405	12162	11151	10225	9923	9613	10137	10222
<i>Total Firm Obligations</i>	11130	10718	9616	10891	12022	12238	12693	12432	11432	10685	10419	10123	10646	10732
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4204	-6564	-8027	-7622	-6540	-6948	-8659	-8140	-8103	-8143	-9454	-8777	-4964	-4913
<i>Non-Fed CER (Canada)</i>	242	242	242	242	242	242	242	242	242	238	238	238	238	238
<i>Total Hydro Resources</i>	17151	14687	13345	13850	15123	14440	12670	13242	12982	12176	10548	11923	16501	16561
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18467	16004	14714	15257	16585	15935	14139	14667	14378	13574	11946	13229	17824	17898
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-351	-302	-268	-281	-314	-318	-285	-288	-281	-258	-224	-259	-375	-348
<i>Federal Trans. Losses</i>	-456	-392	-350	-368	-413	-419	-376	-377	-367	-337	-293	-335	-488	-453
<i>Total Reserves, Maintenance & Losses</i>	-5302	-4682	-4620	-4639	-4679	-3838	-3300	-3782	-3782	-3838	-3487	-3550	-3736	-4824
<i>Total Net Resources</i>	13165	11322	10094	10618	11905	12097	10840	10885	10596	9736	8459	9679	14087	13074
<i>Total Firm Surplus/Deficit</i>	2035	604	478	-273	-117	-141	-1853	-1547	-836	-949	-1960	-444	3441	2343

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	303	303	219	258	270	251	288	271	255	235	235	222	250	242
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	523	530	424	294	270	251	288	271	283	461	498	510	511	511
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	4107	4107	3869	4452	4677	4871	5218	5008	4590	4286	4284	4077	4064	4237
<i>GPU 2002 PSC</i>	2467	2467	2612	3086	3495	3766	3873	3872	3525	3130	3131	3014	2440	2425
<i>NGP 2002 Slice PSC</i>	983	827	719	775	882	896	790	798	774	684	573	605	980	970
<i>GPU 2002 Slice PSC</i>	1637	1377	1198	1290	1470	1492	1315	1330	1290	1140	954	1007	1631	1616
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1511	1512
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	53	68
<i>Federal Diversity</i>	-632	-633	-786	-526	-459	-780	-472	-489	-565	-562	-564	-741	-690	-542
<i>Total Transfers Out</i>	10088	9671	9164	10650	11809	12044	12495	12247	11231	10298	9996	9472	9989	10286
<i>Total Firm Obligations</i>	10611	10201	9589	10944	12079	12296	12783	12518	11514	10759	10493	9982	10499	10797
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4180	-6529	-8006	-7597	-6518	-6927	-8659	-8125	-8083	-8130	-9442	-8758	-4948	-4882
<i>Non-Fed CER (Canada)</i>	238	238	238	238	238	238	238	238	238	234	234	234	234	234
<i>Total Hydro Resources</i>	17171	14718	13363	13871	15141	14457	12666	13252	12998	12186	10556	11937	16513	16588
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18487	16035	14732	15278	16602	15951	14135	14678	14394	13583	11954	12094	16686	17924
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-351	-303	-269	-282	-314	-319	-285	-288	-281	-258	-224	-225	-341	-349
<i>Federal Trans. Losses</i>	-457	-393	-350	-369	-413	-420	-376	-378	-368	-338	-293	-304	-457	-454
<i>Total Reserves, Maintenance & Losses</i>	-5304	-4684	-4621	-4640	-4680	-3839	-3300	-3783	-3783	-3838	-3487	-3313	-3499	-4825
<i>Total Net Resources</i>	13184	11351	10110	10638	11922	12112	10836	10895	10611	9745	8466	8781	13187	13099
<i>Total Firm Surplus/Deficit</i>	2572	1150	521	-307	-157	-183	-1948	-1623	-903	-1014	-2027	-1201	2687	2302

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	305	305	220	260	272	253	290	273	257	237	237	224	252	244
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	525	532	426	296	272	253	290	273	285	463	499	512	512	513
Transfers Out														
<i>NGP 2002 PSC</i>	4139	4140	3902	4505	4733	4929	5279	5067	4645	4336	4334	4124	4110	4285
<i>GPU 2002 PSC</i>	2497	2497	2644	3138	3555	3831	3937	3936	3581	3181	3181	3059	2480	2464
<i>NGP 2002 Slice PSC</i>	985	829	720	776	884	897	789	799	776	685	574	684	1058	972
<i>GPU 2002 Slice PSC</i>	1640	1381	1200	1293	1472	1494	1315	1331	1292	1141	956	1138	1762	1620
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1510	1512
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-638	-638	-794	-534	-466	-792	-479	-496	-573	-569	-572	-751	-699	-549
<i>Total Transfers Out</i>	10148	9734	9225	10753	11921	12159	12612	12365	11338	10394	10091	9764	10240	10338
<i>Total Firm Obligations</i>	10673	10265	9650	11049	12194	12412	12902	12638	11623	10857	10590	10276	10752	10851
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4157	-6494	-7984	-7573	-6496	-6907	-8659	-8111	-8064	-8116	-9430	-8740	-4932	-4852
<i>Non-Fed CER (Canada)</i>	234	234	234	234	234	234	234	234	234	233	233	233	233	233
<i>Total Hydro Resources</i>	17190	14749	13380	13891	15159	14473	12662	13263	13013	12198	10567	11955	16528	16617
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18507	16066	14749	15298	16620	15968	14131	14688	14410	13596	11965	13261	17851	17953
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-352	-304	-269	-282	-315	-319	-285	-288	-282	-259	-225	-260	-376	-349
<i>Federal Trans. Losses</i>	-458	-394	-351	-369	-414	-420	-375	-378	-368	-338	-294	-337	-489	-455
<i>Total Reserves, Maintenance & Losses</i>	-5305	-4686	-4623	-4641	-4682	-3840	-3299	-3783	-3784	-3839	-3488	-3552	-3738	-4827
<i>Total Net Resources</i>	13202	11380	10127	10657	11939	12128	10832	10905	10626	9757	8477	9709	14112	13126
<i>Total Firm Surplus/Deficit</i>	2529	1115	476	-392	-255	-284	-2070	-1733	-997	-1100	-2114	-567	3360	2276

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	306	306	222	262	274	255	292	275	259	239	239	226	254	245
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	526	533	427	298	274	255	292	275	287	465	501	514	514	514
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	4186	4186	3946	4557	4787	4985	5340	5126	4700	4387	4384	4171	4156	4333
<i>GPU 2002 PSC</i>	2536	2536	2684	3191	3614	3896	4003	4002	3638	3233	3233	3105	2520	2504
<i>NGP 2002 Slice PSC</i>	986	832	722	778	885	899	789	800	777	686	574	607	982	974
<i>GPU 2002 Slice PSC</i>	1642	1385	1202	1296	1474	1496	1315	1333	1294	1143	956	1011	1635	1623
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1510	1465	1419	1419	1418	1418	1418	1447	1447	1494	1495	1496
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-646	-646	-804	-541	-472	-803	-486	-503	-581	-577	-580	-761	-709	-556
<i>Total Transfers Out</i>	10229	9817	9303	10854	12032	12272	12731	12485	11445	10490	10186	9627	10096	10407
<i>Total Firm Obligations</i>	10756	10350	9730	11152	12306	12527	13024	12760	11732	10954	10687	10141	10610	10921
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4139	-6467	-7967	-7553	-6480	-6891	-8659	-8099	-8047	-8106	-9422	-8726	-4921	-4828
<i>Non-Fed CER (Canada)</i>	233	233	233	233	233	233	233	233	233	231	231	231	231	231
<i>Total Hydro Resources</i>	17207	14776	13397	13910	15175	14488	12661	13274	13028	12207	10573	11966	16537	16639
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1346	1384	1438	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18524	16092	14742	15294	16613	15983	14130	14699	14425	13604	11971	12122	16710	17976
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-352	-304	-269	-283	-315	-319	-285	-289	-282	-259	-225	-226	-342	-350
<i>Federal Trans. Losses</i>	-458	-395	-351	-369	-414	-421	-375	-378	-369	-338	-294	-305	-458	-456
<i>Total Reserves, Maintenance & Losses</i>	-5306	-4687	-4623	-4642	-4682	-3841	-3299	-3784	-3785	-3839	-3489	-3315	-3500	-4829
<i>Total Net Resources</i>	13218	11405	10120	10652	11931	12142	10831	10915	10640	9765	8482	8808	13210	13147
<i>Total Firm Surplus/Deficit</i>	2462	1055	390	-500	-375	-385	-2193	-1845	-1092	-1189	-2205	-1333	2600	2226

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	308	308	224	264	276	257	294	276	261	240	240	227	255	247
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	528	535	429	300	276	257	294	277	289	466	503	515	515	516
Transfers Out														
<i>NGP 2002 PSC</i>	4232	4232	3992	4613	4846	5046	5404	5164	4757	4439	4437	4220	4203	4382
<i>GPU 2002 PSC</i>	2577	2577	2726	3248	3676	3964	4073	4080	3698	3288	3288	3153	2563	2547
<i>NGP 2002 Slice PSC</i>	987	834	723	779	886	900	789	801	778	686	574	685	1059	976
<i>GPU 2002 Slice PSC</i>	1644	1388	1204	1298	1476	1498	1314	1334	1296	1143	957	1141	1764	1625
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1496	1496	1495	1465	1418	1419	1418	1418	1418	1447	1447	1432	1433	1434
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-654	-655	-814	-549	-479	-815	-493	-509	-589	-586	-588	-771	-718	-564
<i>Total Transfers Out</i>	10295	9885	9368	10962	12149	12392	12858	12597	11556	10590	10286	9861	10323	10434
<i>Total Firm Obligations</i>	10823	10420	9796	11262	12425	12648	13153	12874	11845	11056	10789	10376	10838	10950
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4121	-6439	-7949	-7534	-6463	-6875	-8659	-8087	-8031	-8095	-9414	-8713	-4909	-4804
<i>Non-Fed CER (Canada)</i>	231	231	231	231	231	231	231	231	231	225	225	225	225	225
<i>Total Hydro Resources</i>	17223	14801	13412	13927	15190	14502	12659	13283	13043	12211	10575	11973	16543	16657
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1346	1384	1438	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18539	16118	14758	15311	16628	15997	14128	14709	14439	13609	11973	13280	17865	17994
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-353	-305	-270	-283	-316	-320	-285	-289	-283	-259	-225	-260	-377	-351
<i>Federal Trans. Losses</i>	-459	-396	-351	-370	-414	-421	-375	-379	-369	-339	-294	-337	-490	-456
<i>Total Reserves, Maintenance & Losses</i>	-5307	-4689	-4624	-4643	-4683	-3842	-3299	-3785	-3786	-3840	-3489	-3553	-3739	-4830
<i>Total Net Resources</i>	13232	11429	10134	10669	11945	12155	10829	10924	10653	9769	8484	9726	14126	13164
<i>Total Firm Surplus/Deficit</i>	2409	1009	338	-593	-479	-493	-2324	-1950	-1192	-1288	-2305	-650	3288	2214

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

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Monthly Regional
Loads & Resources
1-Hour Capacity in Megawatts

For OY 2007 – 2016

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	25822	25883	24339	26275	28962	31508	32471	31093	28316	26393	26405	25628	26099	26954
<i>Exports</i>	2743	2743	2739	1924	1770	1785	1782	1782	1772	1778	1778	1772	2316	2328
<i>Federal Diversity</i>	-490	-492	-625	-434	-376	-629	-383	-394	-462	-465	-468	-589	-582	-460
<i>Total Firm Regional Loads</i>	28075	28134	26453	27765	30356	32664	33870	32480	29626	27706	27715	26810	27833	28821
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	28100	28159	26493	27790	30381	32689	33899	32528	29706	27764	27774	26835	27858	28846
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	30914	30744	31381	31174	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>Independent Hydro</i>	1814	1796	1790	1780	1748	1740	1673	1771	1865	1917	1942	2044	2019	1870
<i>Operational Peaking Adjustment</i>	-4405	-6965	-8088	-7694	-6604	-7006	-8659	-8181	-8157	-8261	-9603	-9007	-5250	-5505
<i>Total Hydro Resources</i>	28323	25575	25083	25260	26549	25900	23922	24295	23910	23279	21756	22515	27948	27530
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	3693	3693	3706	3726	3747	3759	3761	3754	3744	3360	3360	3472	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	43	42	91
<i>Cogeneration</i>	2204	2204	1992	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	1281	1248	1144	1113	1532	1725	1630	1622	1186	1077	1091	1042	1323	1353
<i>Large Thermal</i>	7047	7047	6894	6894	7053	7053	7053	7053	7053	7053	6370	3076	4331	7076
<i>Non-Utility Generation</i>	1373	1371	1291	1213	1172	1151	1130	1152	1181	1232	1232	1131	1464	1440
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15720	15685	15147	15297	15871	15818	15953	15955	14897	15076	14407	10493	12893	16277
<i>Total Resources</i>	44043	41260	40230	40556	42421	41719	39875	40249	38807	38355	36163	33008	40841	43807
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1636	-1627	-1659	-1648	-1658	-1645	-1629	-1624	-1603	-1577	-1568	-1576	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-370	-369	-355	-365	-364	-352	-364	-364	-333	-347	-347	-319	-362	-392
<i>Contract Reserves</i>	-54	-49	-50	-50	-46	-57	-52	-50	-35	-35	-37	-51	-66	-58
<i>Large Thermal Reserves</i>	-1057	-1057	-1034	-1034	-1058	-1058	-1058	-1058	-1058	-1058	-955	-461	-650	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-826	-771	-738	-762	-806	-807	-775	-766	-748	-731	-679	-618	-791	-824
<i>Regional Transmission Losses</i>	-1189	-1117	-1092	-1122	-1191	-1198	-1154	-1142	-1086	-1067	-1008	-925	-1176	-1209
<i>Total Reserves, Maintenance & Losses</i>	-9727	-9023	-8716	-8188	-8058	-7154	-6593	-7291	-7489	-7566	-7078	-6311	-6906	-8917
<i>Total Net Resources</i>	34315	32238	31515	32368	34363	34564	33283	32959	31318	30789	29085	26698	33934	34890
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	6241	4104	5061	4603	4007	1901	-588	479	1692	3083	1370	-113	6101	6069
<i>Total Surplus/Deficit</i>	6216	4079	5022	4578	3982	1876	-616	431	1612	3024	1311	-138	6076	6044

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	26725	26719	25012	26802	29456	31860	33096	31688	28807	26874	26886	26161	26659	27515
<i>Exports</i>	2327	2327	2321	1900	1746	1762	1758	1758	1748	1753	1727	1695	1932	1944
<i>Federal Diversity</i>	-546	-547	-683	-445	-384	-745	-449	-464	-537	-534	-536	-670	-647	-509
<i>Total Firm Regional Loads</i>	28505	28499	26649	28256	30818	32877	34405	32982	30018	28094	28077	27186	27945	28950
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	28530	28524	26689	28281	30843	32902	34434	33030	30098	28152	28136	27211	27970	28975
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>Independent Hydro</i>	1791	1773	1768	1758	1726	1718	1673	1771	1865	1917	1942	2044	2019	1870
<i>Operational Peaking Adjustment</i>	-4380	-6934	-8065	-7668	-6583	-6987	-8659	-8167	-8136	-8244	-9583	-8968	-5224	-5339
<i>Total Hydro Resources</i>	28324	25583	25084	25263	26549	25898	23922	24309	23931	23296	21777	22555	27973	27696
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2821	3500	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	94	92	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	1260	1227	1046	1076	1485	1708	1613	1655	1220	1109	1123	1094	1378	1398
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	7076	6332	5132	6387	7076
<i>Non-Utility Generation</i>	1373	1371	1291	1213	1173	1151	1130	1153	1181	1232	1232	1376	1456	1440
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	16143	16108	15870	15859	16263	16240	16375	16427	15370	15547	14816	12245	15053	16322
<i>Total Resources</i>	44467	41691	40954	41122	42812	42138	40296	40736	39301	38843	36593	34800	43026	44018
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1635	-1626	-1657	-1647	-1657	-1644	-1629	-1624	-1603	-1577	-1568	-1576	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-390	-390	-387	-385	-385	-373	-384	-385	-354	-368	-368	-301	-364	-392
<i>Contract Reserves</i>	-60	-55	-45	-52	-46	-61	-49	-55	-40	-40	-42	-59	-71	-64
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-950	-770	-958	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-823	-768	-758	-777	-817	-818	-785	-778	-760	-742	-693	-673	-855	-830
<i>Regional Transmission Losses</i>	-1203	-1131	-1114	-1139	-1203	-1211	-1167	-1157	-1101	-1082	-1021	-974	-1237	-1216
<i>Total Reserves, Maintenance & Losses</i>	-9767	-9063	-8810	-8269	-8103	-7206	-6637	-7347	-7545	-7622	-7125	-6712	-7346	-8935
<i>Total Net Resources</i>	34701	32628	32143	32853	34709	34932	33660	33389	31755	31221	29468	28087	35680	35083
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	6195	4129	5494	4596	3890	2055	-746	407	1737	3128	1391	902	7735	6133
<i>Total Surplus/Deficit</i>	6170	4104	5455	4571	3865	2030	-774	359	1658	3069	1332	877	7710	6108

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	27319	27313	25500	27138	29807	32431	33528	32071	29150	27208	27220	26465	27051	27921
<i>Exports</i>	1947	1947	1941	1809	1679	1690	1687	1687	1680	1694	1694	1665	1902	1910
<i>Federal Diversity</i>	-603	-604	-759	-509	-445	-756	-455	-472	-545	-541	-544	-680	-657	-516
<i>Total Firm Regional Loads</i>	28662	28656	26682	28438	31042	33364	34759	33287	30285	28361	28371	27450	28296	29315
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	28687	28681	26721	28463	31067	33389	34788	33335	30365	28420	28429	27475	28321	29340
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>Independent Hydro</i>	1791	1773	1768	1758	1716	1709	1663	1761	1855	1907	1933	2034	2010	1860
<i>Operational Peaking Adjustment</i>	-4268	-6777	-8059	-7661	-6576	-6980	-8659	-8162	-8131	-8165	-9477	-8811	-4993	-4958
<i>Total Hydro Resources</i>	28436	25740	25090	25271	26546	25895	23912	24304	23926	23365	21873	22701	28195	28068
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3057	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	43	42	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	1103	1264	1152	947	1340	1514	1178	1176	1079	969	983	968	1126	1228
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	5782	5196	3376	5767	7076
<i>Non-Utility Generation</i>	1373	1371	1291	1213	1173	1152	1131	1153	1181	1232	1232	1377	1456	1441
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15986	16145	15977	15730	16118	16046	15940	15948	15229	14112	13541	10550	14124	16153
<i>Total Resources</i>	44422	41885	41067	41000	42664	41941	39852	40252	39155	37478	35414	33251	42318	44221
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1635	-1626	-1657	-1647	-1656	-1644	-1629	-1623	-1603	-1577	-1568	-1576	-1659	-1651
<i>Small Thermal & Misc. Reserves</i>	-390	-390	-387	-385	-385	-373	-384	-385	-354	-368	-368	-310	-362	-392
<i>Contract Reserves</i>	-36	-61	-60	-32	-24	-32	-29	-29	-19	-19	-21	-40	-32	-38
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-867	-779	-506	-865	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-821	-767	-755	-773	-812	-812	-780	-773	-756	-708	-665	-632	-836	-834
<i>Regional Transmission Losses</i>	-1202	-1137	-1117	-1135	-1199	-1205	-1153	-1142	-1097	-1045	-989	-932	-1218	-1224
<i>Total Reserves, Maintenance & Losses</i>	-9741	-9075	-8826	-8242	-8072	-7165	-6598	-7299	-7516	-7334	-6872	-6356	-7173	-8921
<i>Total Net Resources</i>	34681	32811	32240	32758	34592	34776	33254	32953	31640	30143	28541	26895	35145	35300
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	6019	4154	5559	4320	3551	1412	-1505	-334	1354	1782	171	-555	6849	5985
<i>Total Surplus/Deficit</i>	5994	4129	5519	4295	3526	1387	-1534	-382	1275	1723	112	-580	6824	5960

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	27714	27707	25865	27481	30176	32830	33911	32423	29486	27517	27529	26799	27407	28283
<i>Exports</i>	2016	2016	2012	1911	1780	1790	1787	1788	1782	1797	1797	1768	1981	1988
<i>Federal Diversity</i>	-613	-614	-770	-514	-449	-764	-460	-477	-551	-547	-550	-687	-663	-521
<i>Total Firm Regional Loads</i>	29117	29110	27107	28878	31507	33856	35238	33734	30716	28767	28776	27879	28724	29750
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	29142	29135	27146	28903	31532	33881	35266	33782	30796	28826	28835	27904	28749	29775
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>Independent Hydro</i>	1781	1763	1759	1748	1716	1709	1663	1761	1855	1907	1933	2028	2018	1868
<i>Operational Peaking Adjustment</i>	-4226	-6591	-8043	-7641	-6558	-6964	-8659	-8151	-8116	-8154	-9467	-8796	-4979	-4935
<i>Total Hydro Resources</i>	28679	26127	25096	25280	26563	25911	23912	24315	23941	23376	21883	22711	28216	28099
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2821	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	94	42	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	1109	1075	967	955	1051	1221	1183	1182	1086	975	990	975	1151	1155
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	6406	6406	5956	6541	7076
<i>Non-Utility Generation</i>	1373	1371	1291	1234	1185	1173	1151	1174	1202	1253	1253	1381	1485	1464
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15992	15957	15792	15759	15841	15775	15966	15974	15257	14764	14779	12955	14951	16104
<i>Total Resources</i>	44672	42084	40889	41039	42405	41685	39878	40290	39197	38140	36661	35666	43168	44203
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1645	-1636	-1657	-1646	-1656	-1644	-1629	-1623	-1603	-1577	-1567	-1575	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-390	-390	-387	-386	-386	-374	-385	-386	-355	-369	-369	-301	-363	-394
<i>Contract Reserves</i>	-37	-32	-32	-33	-24	-33	-30	-30	-20	-19	-22	-40	-47	-39
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-961	-961	-893	-981	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-826	-777	-755	-774	-813	-813	-781	-773	-756	-740	-710	-678	-859	-835
<i>Regional Transmission Losses</i>	-1210	-1144	-1112	-1137	-1190	-1197	-1153	-1143	-1098	-1063	-1023	-999	-1241	-1223
<i>Total Reserves, Maintenance & Losses</i>	-9765	-9073	-8793	-8246	-8065	-7159	-6601	-7303	-7519	-7480	-7135	-6847	-7353	-8923
<i>Total Net Resources</i>	34906	33011	32096	32793	34340	34526	33277	32987	31678	30660	29526	28819	35814	35279
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	5789	3901	4989	3915	2833	670	-1961	-747	962	1893	750	940	7090	5530
<i>Total Surplus/Deficit</i>	5764	3876	4950	3890	2808	645	-1989	-795	882	1834	691	915	7065	5505

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	28090	28080	26200	27834	30546	33302	34326	32797	29856	27840	27852	27140	27770	28682
<i>Exports</i>	1986	1986	1981	1897	1774	1785	1782	1782	1775	1788	1788	1751	1988	1996
<i>Federal Diversity</i>	-619	-619	-777	-520	-455	-773	-465	-482	-557	-553	-556	-694	-670	-526
<i>Total Firm Regional Loads</i>	29457	29446	27404	29210	31865	34314	35643	34097	31074	29075	29084	28196	29088	30152
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	29482	29471	27444	29235	31890	34339	35671	34145	31154	29134	29143	28221	29113	30177
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>Independent Hydro</i>	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
<i>Operational Peaking Adjustment</i>	-4213	-6575	-8034	-7630	-6548	-6955	-8659	-8145	-8109	-8148	-9460	-8785	-4970	-4922
<i>Total Hydro Resources</i>	28700	26150	25113	25299	26582	25914	23906	24316	23942	23376	21884	22722	28225	28112
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2814	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	43	42	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	1036	1001	975	963	1062	1228	1092	1091	995	887	901	889	1067	1068
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	5876	5717	4812	5237	7076
<i>Non-Utility Generation</i>	1392	1390	1327	1234	1193	1180	1159	1181	1210	1261	1261	1381	1477	1465
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15938	15902	15835	15767	15860	15789	15883	15891	15174	14154	14008	11667	13555	16017
<i>Total Resources</i>	44638	42052	40949	41066	42442	41703	39789	40207	39116	37530	35893	34389	41781	44128
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1646	-1636	-1657	-1646	-1656	-1643	-1628	-1623	-1603	-1576	-1567	-1575	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-391	-391	-389	-386	-386	-374	-386	-386	-355	-370	-370	-298	-363	-394
<i>Contract Reserves</i>	-38	-33	-33	-33	-40	-49	-31	-31	-21	-20	-22	-27	-33	-25
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-881	-858	-722	-786	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-827	-777	-756	-774	-813	-813	-781	-773	-756	-725	-690	-643	-821	-835
<i>Regional Transmission Losses</i>	-1209	-1143	-1114	-1138	-1191	-1197	-1150	-1141	-1095	-1045	-1002	-964	-1203	-1221
<i>Total Reserves, Maintenance & Losses</i>	-9767	-9074	-8798	-8248	-8082	-7175	-6599	-7301	-7518	-7369	-6991	-6588	-7067	-8908
<i>Total Net Resources</i>	34871	32978	32151	32818	34360	34528	33190	32906	31598	30162	28902	27801	34713	35221
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	5415	3532	4746	3608	2495	214	-2453	-1191	524	1087	-182	-395	5625	5069
<i>Total Surplus/Deficit</i>	5390	3507	4707	3583	2470	189	-2481	-1239	445	1028	-241	-420	5600	5044

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
Regional Firm Loads	28445	28438	26554	28167	30892	33543	34666	33139	30187	28130	28142	27529	28022	29060
Exports	1996	1996	1991	1820	1695	1696	1694	1695	1695	1723	1723	1690	1897	1898
Federal Diversity	-625	-626	-785	-523	-456	-775	-467	-483	-559	-556	-559	-734	-684	-537
Total Firm Regional Loads	29816	29808	27760	29465	32131	34464	35893	34350	31323	29298	29307	28486	29234	30421
<u>Non-Firm Regional Loads</u>														
Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
Total Non-Firm Regional Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
Total Loads	29841	29833	27799	29490	32156	34489	35921	34398	31402	29357	29366	28511	29259	30446
<u>Hydro Resources</u>														
Regulated Hydro	31124	30954	31381	31173	31405	31166	30907	30705	30201	29623	29417	29479	31178	31165
Independent Hydro	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
Operational Peaking Adjustment	-4204	-6564	-8027	-7622	-6540	-6948	-8659	-8140	-8103	-8143	-9454	-8777	-4964	-4913
Total Hydro Resources	28709	26161	25120	25307	26590	25921	23906	24320	23948	23381	21890	22730	28232	28121
<u>Other Resources</u>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105
Renewables	91	91	91	94	95	97	98	98	97	96	96	94	42	91
Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
Imports	945	911	888	877	975	1140	1104	1106	1011	895	910	901	1049	1073
Large Thermal	7076	7076	7076	7076	7076	7076	7076	7076	7076	6312	6312	4526	6917	7076
Non-Utility Generation	1392	1391	1327	1234	1193	1180	1159	1182	1210	1261	1261	1381	1477	1465
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	15848	15812	15749	15681	15773	15701	15895	15907	15190	14597	14612	11695	15218	16022
Total Resources	44557	41973	40869	40988	42363	41622	39801	40227	39138	37978	36502	34425	43450	44143
<u>Reserves & Maintenance</u>														
Hydro Reserves	-1646	-1636	-1657	-1646	-1656	-1643	-1628	-1623	-1603	-1576	-1567	-1575	-1660	-1652
Small Thermal & Misc. Reserves	-391	-391	-389	-386	-386	-374	-386	-386	-355	-370	-370	-313	-363	-394
Contract Reserves	-24	-19	-19	-20	-26	-35	-32	-32	-22	-21	-23	-28	-34	-26
Large Thermal Reserves	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-947	-947	-679	-1038	-1061
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-827	-778	-756	-774	-813	-813	-781	-773	-756	-725	-694	-668	-871	-835
Regional Transmission Losses	-1206	-1141	-1112	-1135	-1189	-1195	-1151	-1141	-1096	-1058	-1019	-965	-1249	-1221
Total Reserves, Maintenance & Losses	-9751	-9059	-8783	-8232	-8067	-7159	-6600	-7303	-7520	-7447	-7103	-6588	-7416	-8909
Total Net Resources	34806	32915	32086	32756	34296	34463	33201	32925	31618	30531	29399	27837	36034	35234
<u>Surplus/Deficits</u>														
Firm Surplus/Deficit	4990	3107	4326	3291	2166	-0.9	-2692	-1425	295	1233	92	-649	6799	4813
Total Surplus/Deficit	4965	3082	4287	3266	2141	-26	-2720	-1473	216	1174	33	-674	6774	4788

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
Regional Firm Loads	28820	28813	26890	28471	31180	33929	35062	33515	30539	28470	28481	27883	28408	29470
Exports	1899	1899	1897	1800	1675	1676	1674	1675	1674	1703	1703	1670	1877	1878
Federal Diversity	-632	-633	-786	-526	-459	-780	-472	-489	-565	-562	-564	-741	-690	-542
Total Firm Regional Loads	30087	30079	28001	29745	32396	34825	36264	34701	31649	29611	29620	28812	29594	30806
<u>Non-Firm Regional Loads</u>														
Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
Total Non-Firm Regional Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
Total Loads	30112	30104	28040	29770	32421	34850	36293	34749	31728	29670	29679	28837	29619	30831
<u>Hydro Resources</u>														
Regulated Hydro	31124	30954	31380	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
Independent Hydro	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
Operational Peaking Adjustment	-4180	-6529	-8006	-7597	-6518	-6927	-8659	-8125	-8083	-8130	-9442	-8758	-4948	-4882
Total Hydro Resources	28733	26196	25141	25332	26612	25942	23906	24335	23968	23395	21902	22749	28248	28151
<u>Other Resources</u>														
Small Thermal & Misc.	30	30	30	30	33	33	33	33	30	30	30	30	30	30
Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105
Renewables	91	91	91	94	95	97	98	98	97	96	96	94	42	91
Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
Imports	953	918	894	882	943	1116	1082	1084	1018	902	918	910	1060	1079
Large Thermal	7076	7076	7076	7076	7076	7076	7076	7076	7076	6546	6016	4136	5391	7076
Non-Utility Generation	1393	1391	1327	1234	1193	1181	1160	1182	1211	1262	1262	1382	1486	1403
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	15856	15819	15755	15686	15742	15678	15874	15885	15198	14840	14326	11314	13712	15967
Total Resources	44588	42015	40896	41018	42353	41619	39779	40221	39165	38234	36228	34063	41960	44118
<u>Reserves & Maintenance</u>														
Hydro Reserves	-1646	-1636	-1657	-1646	-1656	-1643	-1628	-1623	-1603	-1576	-1567	-1575	-1660	-1652
Small Thermal & Misc. Reserves	-391	-391	-389	-386	-386	-374	-386	-386	-355	-370	-370	-313	-363	-391
Contract Reserves	-25	-20	-20	-20	-27	-36	-33	-33	-23	-22	-24	-29	-35	-27
Large Thermal Reserves	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-982	-902	-620	-809	-1061
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-828	-779	-757	-775	-813	-814	-781	-774	-757	-725	-679	-650	-826	-834
Regional Transmission Losses	-1207	-1142	-1113	-1136	-1188	-1194	-1150	-1141	-1097	-1066	-1012	-955	-1208	-1220
Total Reserves, Maintenance & Losses	-9753	-9062	-8785	-8234	-8068	-7161	-6600	-7304	-7522	-7491	-7037	-6503	-7103	-8906
Total Net Resources	34835	32954	32112	32783	34286	34459	33179	32917	31644	30743	29191	27560	34857	35212
<u>Surplus/Deficits</u>														
Firm Surplus/Deficit	4748	2875	4111	3038	1890	-366	-3085	-1784	-5.4	1132	-430	-1252	5263	4407
Total Surplus/Deficit	4723	2850	4071	3013	1865	-391	-3113	-1832	-85	1073	-489	-1277	5238	4382

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<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	29237	29230	27260	28865	31580	34402	35552	33977	30957	28862	28873	28278	28823	29909
<i>Exports</i>	1878	1878	1877	1800	1675	1676	1674	1674	1674	1703	1703	1670	1877	1878
<i>Federal Diversity</i>	-638	-638	-794	-534	-466	-792	-479	-496	-573	-569	-572	-751	-699	-549
<i>Total Firm Regional Loads</i>	30478	30470	28343	30131	32789	35286	36747	35156	32059	29995	30004	29197	30000	31237
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	30503	30495	28383	30156	32814	35311	36776	35204	32139	30054	30063	29222	30025	31262
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	31124	30954	31381	31173	31406	31166	30908	30705	30202	29623	29418	29479	31178	31166
<i>Independent Hydro</i>	1789	1771	1767	1756	1724	1703	1661	1760	1854	1905	1931	2032	2022	1873
<i>Operational Peaking Adjustment</i>	-4157	-6494	-7984	-7573	-6496	-6907	-8659	-8111	-8064	-8116	-9430	-8740	-4932	-4852
<i>Total Hydro Resources</i>	28756	26231	25163	25357	26634	25962	23910	24354	23992	23413	21918	22771	28268	28186
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2814	3500	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	43	92	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	973	937	902	889	950	1125	1090	1092	1025	910	925	919	1070	1089
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	7076	6917	5822	6917	7076
<i>Non-Utility Generation</i>	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15814	15777	15701	15632	15687	15625	15820	15832	15143	15316	15172	12647	15236	15977
<i>Total Resources</i>	44571	42008	40864	40988	42321	41588	39731	40187	39135	38729	37090	35419	43504	44162
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1646	-1636	-1657	-1646	-1656	-1643	-1628	-1623	-1603	-1576	-1567	-1576	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-388	-388	-386	-383	-383	-371	-383	-383	-352	-366	-366	-295	-362	-391
<i>Contract Reserves</i>	-26	-21	-20	-21	-28	-37	-33	-34	-23	-23	-25	-29	-36	-28
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1038	-873	-1038	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-827	-778	-756	-774	-813	-813	-779	-773	-756	-740	-705	-693	-872	-835
<i>Regional Transmission Losses</i>	-1207	-1142	-1112	-1135	-1187	-1193	-1149	-1140	-1096	-1079	-1035	-991	-1251	-1222
<i>Total Reserves, Maintenance & Losses</i>	-9750	-9059	-8780	-8230	-8064	-7157	-6595	-7300	-7518	-7597	-7219	-6817	-7421	-8909
<i>Total Net Resources</i>	34821	32949	32084	32758	34257	34431	33135	32887	31617	31132	29871	28601	36083	35253
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	4343	2479	3741	2627	1468	-855	-3612	-2269	-442	1137	-133	-596	6084	4016
<i>Total Surplus/Deficit</i>	4318	2454	3701	2602	1443	-880	-3641	-2317	-521	1078	-192	-621	6059	3991

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Firm Regional Loads</u>														
<i>Regional Firm Loads</i>	30019	30012	27987	29574	32601	35441	36632	35071	31863	29660	29671	29005	29503	30672
<i>Exports</i>	1878	1878	1877	1800	1675	1675	1574	1574	1574	1603	1603	1554	1761	1762
<i>Federal Diversity</i>	-646	-646	-804	-541	-472	-803	-486	-503	-581	-577	-580	-761	-709	-556
<i>Total Firm Regional Loads</i>	31251	31243	29059	30833	33804	36314	37720	36142	32856	30686	30694	29799	30556	31877
<u>Non-Firm Regional Loads</u>														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	31276	31268	29099	30858	33829	36339	37749	36190	32936	30745	30753	29824	30581	31902
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	31124	30954	31381	31174	31406	31166	30908	30705	30202	29623	29418	29479	31178	31166
<i>Independent Hydro</i>	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873
<i>Operational Peaking Adjustment</i>	-4139	-6467	-7967	-7553	-6480	-6891	-8659	-8099	-8047	-8106	-9422	-8726	-4921	-4828
<i>Total Hydro Resources</i>	28779	26263	25185	25381	26655	25983	23910	24366	24008	23423	21926	22785	28280	28210
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	94	42	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	981	945	910	897	958	1133	1098	1101	1033	917	933	928	1082	1099
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	5782	5782	3376	5237	7076
<i>Non-Utility Generation</i>	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15822	15785	15709	15640	15695	15633	15828	15841	15151	14028	14044	10512	13510	15987
<i>Total Resources</i>	44601	42048	40894	41020	42350	41616	39739	40207	39159	37451	35971	33296	41790	44197
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1646	-1636	-1658	-1647	-1657	-1644	-1628	-1623	-1603	-1576	-1567	-1576	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-388	-388	-386	-383	-383	-371	-383	-383	-352	-366	-366	-310	-360	-391
<i>Contract Reserves</i>	-27	-21	-21	-22	-29	-38	-34	-34	-24	-24	-26	-30	-37	-29
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-867	-867	-506	-786	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-827	-779	-756	-775	-813	-813	-779	-773	-756	-708	-678	-634	-821	-836
<i>Regional Transmission Losses</i>	-1208	-1143	-1113	-1136	-1188	-1194	-1149	-1141	-1097	-1044	-1004	-934	-1203	-1223
<i>Total Reserves, Maintenance & Losses</i>	-9752	-9062	-8783	-8233	-8066	-7159	-6596	-7302	-7520	-7337	-6992	-6351	-7068	-8912
<i>Total Net Resources</i>	34849	32986	32111	32787	34284	34457	33142	32906	31639	30115	28978	26946	34721	35285
<u>Surplus/Deficits</u>														
<i>Firm Surplus/Deficit</i>	3597	1743	3052	1955	480	-1857	-4578	-3237	-1217	-571	-1716	-2853	4166	3408
<i>Total Surplus/Deficit</i>	3572	1718	3013	1930	455	-1882	-4607	-3285	-1296	-630	-1775	-2878	4141	3383

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
<i>Regional Firm Loads</i>	30459	30451	28376	29976	33070	35929	37124	35509	32289	30063	30074	29420	29921	31127
<i>Exports</i>	1763	1763	1761	1700	1575	1575	1574	1574	1574	1603	1603	1442	1649	1650
<i>Federal Diversity</i>	-654	-655	-814	-549	-479	-815	-493	-509	-589	-586	-588	-771	-718	-564
<i>Total Firm Regional Loads</i>	31567	31559	29322	31127	34165	36689	38205	36574	33274	31080	31088	30092	30852	32213
Non-Firm Regional Loads														
<i>Regional Non-Firm Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Non-Firm Regional Loads</i>	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>Total Loads</i>	31592	31584	29362	31152	34190	36714	38234	36622	33354	31139	31147	30117	30877	32238
Hydro Resources														
<i>Regulated Hydro</i>	31124	30954	31381	31174	31406	31166	30908	30705	30202	29623	29418	29479	31178	31166
<i>Independent Hydro</i>	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873
<i>Operational Peaking Adjustment</i>	-4121	-6439	-7949	-7534	-6463	-6875	-8659	-8087	-8031	-8095	-9414	-8713	-4909	-4804
<i>Total Hydro Resources</i>	28796	26291	25202	25400	26671	25999	23910	24378	24024	23433	21934	22798	28291	28234
Other Resources														
<i>Small Thermal & Misc.</i>	30	30	30	30	33	33	33	33	30	30	30	30	30	30
<i>Combustion Turbines</i>	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3057	3493	4105
<i>Renewables</i>	91	91	91	94	95	97	98	98	97	96	96	43	42	91
<i>Cogeneration</i>	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182
<i>Imports</i>	992	956	919	905	965	1142	1105	1108	1039	923	940	937	1090	1108
<i>Large Thermal</i>	7076	7076	7076	7076	7076	7076	7076	7076	7076	6406	6406	5426	6541	7076
<i>Non-Utility Generation</i>	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	15833	15796	15718	15648	15702	15642	15835	15848	15157	14660	14677	12513	14823	15995
<i>Total Resources</i>	44630	42086	40920	41048	42374	41641	39746	40226	39181	38093	36611	35311	43114	44229
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1646	-1636	-1658	-1647	-1657	-1644	-1628	-1623	-1603	-1576	-1567	-1576	-1660	-1652
<i>Small Thermal & Misc. Reserves</i>	-388	-388	-386	-383	-383	-371	-383	-383	-352	-366	-366	-307	-360	-391
<i>Contract Reserves</i>	-28	-22	-22	-23	-30	-39	-35	-35	-25	-24	-27	-31	-38	-30
<i>Large Thermal Reserves</i>	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-1061	-961	-961	-814	-981	-1061
<i>Regional Hydro Maintenance</i>	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
<i>Spinning Reserves</i>	-828	-779	-757	-775	-813	-814	-779	-773	-757	-740	-710	-667	-860	-837
<i>Regional Transmission Losses</i>	-1209	-1145	-1114	-1137	-1189	-1195	-1149	-1141	-1097	-1061	-1022	-990	-1240	-1224
<i>Total Reserves, Maintenance & Losses</i>	-9755	-9064	-8785	-8235	-8068	-7161	-6597	-7303	-7521	-7480	-7136	-6745	-7340	-8914
<i>Total Net Resources</i>	34875	33022	32135	32813	34306	34480	33148	32923	31660	30613	29475	28565	35773	35315
Surplus/Deficits														
<i>Firm Surplus/Deficit</i>	3308	1463	2813	1686	140	-2209	-5057	-3651	-1614	-467	-1613	-1526	4922	3102
<i>Total Surplus/Deficit</i>	3283	1438	2774	1661	115	-2234	-5085	-3699	-1694	-526	-1672	-1551	4897	3077

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

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

For OY 2007 – 2016

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3308	-726	585	-149	261	-61	-424	-1649	-510	-1345	-2321	-1606	3588	2375
1930 Federal Surplus/Deficit	1382	12	410	236	445	201	-1700	-674	-619	-787	-1658	-1653	2430	2943
1931 Federal Surplus/Deficit	2127	663	144	289	358	-100	-1713	-1657	-855	-598	-2514	-1668	2367	2604
1932 Federal Surplus/Deficit	1908	977	707	-151	136	-133	-1754	-1745	623	2293	2996	4227	4241	3895
1933 Federal Surplus/Deficit	1643	2048	1184	118	-242	725	2255	1492	236	382	1101	3252	3720	3495
1934 Federal Surplus/Deficit	3455	3004	1505	1077	1696	5196	2076	2758	3104	2445	3075	4096	1983	3177
1935 Federal Surplus/Deficit	1107	-151	174	-121	-285	-99	1684	2782	-790	48	1242	2653	3880	3830
1936 Federal Surplus/Deficit	2962	181	617	-54	227	119	-1389	-1505	-642	-455	2573	4389	4091	2564
1937 Federal Surplus/Deficit	2104	514	420	106	344	195	-1722	-1406	-865	-1101	-2136	-1276	2385	1760
1938 Federal Surplus/Deficit	1780	137	357	196	-219	170	1817	231	2101	1724	2413	4358	4379	3633
1939 Federal Surplus/Deficit	1051	219	1218	312	185	73	353	-1470	41	226	1053	3351	1968	3083
1940 Federal Surplus/Deficit	2512	669	389	444	208	378	-48	-593	2221	723	2382	2910	2748	2361
1941 Federal Surplus/Deficit	1020	-558	356	391	-36	454	182	-1495	-876	-748	-2034	946	2602	1979
1942 Federal Surplus/Deficit	1008	475	1207	65	-281	2117	1956	151	-1532	-401	611	2814	4421	4315
1943 Federal Surplus/Deficit	3219	2063	504	118	-247	40	1523	2059	2933	2425	2945	4274	4351	4132
1944 Federal Surplus/Deficit	3347	1373	527	-124	70	87	77	-1556	-1483	-1589	-2942	-1648	1035	1761
1945 Federal Surplus/Deficit	1047	-78	563	-32	242	-60	-1670	-1153	-1081	-1434	-2639	2648	4396	2729
1946 Federal Surplus/Deficit	1213	491	341	-151	16	79	853	597	3268	2247	3169	4437	4233	4155
1947 Federal Surplus/Deficit	3261	1374	1263	-127	-66	3594	2256	2648	3434	1079	1772	4208	4328	4224
1948 Federal Surplus/Deficit	2530	-84	923	2740	845	2600	2806	611	2035	809	3052	4505	4784	4155
1949 Federal Surplus/Deficit	3574	3388	1519	350	-27	234	321	136	3566	1579	3181	4359	4257	1589
1950 Federal Surplus/Deficit	1054	-716	11	15	-83	-40	768	3011	3894	2616	2825	4116	3629	3858
1951 Federal Surplus/Deficit	3137	2262	1232	1149	1263	4299	2518	2715	3043	2702	3081	4413	4266	4189
1952 Federal Surplus/Deficit	3591	2269	1173	2131	19	2447	2041	1479	1712	2960	3287	4443	4468	3571
1953 Federal Surplus/Deficit	2514	-139	621	35	323	-70	-8.2	1884	-6.4	-415	995	3874	4226	4110
1954 Federal Surplus/Deficit	3228	1765	986	267	14	1398	990	2740	2130	1868	2081	4307	3824	3687
1955 Federal Surplus/Deficit	4110	3858	3796	531	348	1723	133	-1258	-1251	-347	547	2406	3711	3423
1956 Federal Surplus/Deficit	3620	3442	531	729	746	4107	2469	1854	3794	2828	2539	4363	3702	4095
1957 Federal Surplus/Deficit	3544	2100	1035	556	-84	912	1134	-450	1630	2473	2633	4476	4109	3521
1958 Federal Surplus/Deficit	1519	32	672	41	132	-45	75	1515	2176	826	2774	4427	4325	3398
1959 Federal Surplus/Deficit	1511	803	877	-21	265	3023	2504	2924	2255	1905	1766	3895	4043	4015
1960 Federal Surplus/Deficit	3509	1838	3913	3272	1975	3862	2548	-356	1588	2216	3210	3315	4227	3747
1961 Federal Surplus/Deficit	2668	-416	962	115	-149	768	1297	2229	2423	2097	1399	4101	3885	3760
1962 Federal Surplus/Deficit	2206	1398	460	85	181	-49	987	-129	-679	2534	3012	3832	4241	4033
1963 Federal Surplus/Deficit	2769	1282	617	766	497	3086	2174	586	-329	-66	-0.4	3785	4445	3978
1964 Federal Surplus/Deficit	3357	1526	1263	-136	70	272	657	-101	-1046	966	1538	3238	3913	3737
1965 Federal Surplus/Deficit	3588	2985	1839	1402	137	4034	2475	3363	3478	1818	3240	4336	4381	3779
1966 Federal Surplus/Deficit	3497	2393	1216	749	88	1329	2056	-332	-881	2765	1659	2926	3881	3974
1967 Federal Surplus/Deficit	3542	894	537	-5.4	54	302	2593	3369	1056	524	-258	3416	3893	4059
1968 Federal Surplus/Deficit	3650	1493	1288	283	-108	564	1506	2110	1903	-1482	-657	2758	4188	4340
1969 Federal Surplus/Deficit	3655	2665	2547	1441	869	2551	2661	2861	1414	2815	2996	4411	4130	4146
1970 Federal Surplus/Deficit	2746	501	826	210	222	161	1032	1074	470	-616	449	3778	4364	3612
1971 Federal Surplus/Deficit	1299	-347	355	42	483	2.4	2176	2850	2869	2447	3241	4411	3922	3998
1972 Federal Surplus/Deficit	4040	3540	1491	461	13	991	2500	3244	3203	1836	2362	4381	4191	3697
1973 Federal Surplus/Deficit	4128	3675	2139	565	3.4	1389	1804	-1276	-1035	-1701	-2119	685	2387	2476
1974 Federal Surplus/Deficit	1560	-627	8.5	-55	-217	2658	2185	2765	3894	2571	2951	4148	4134	3375
1975 Federal Surplus/Deficit	3911	3593	1348	-134	121	139	1559	1151	2694	236	1260	3886	4210	3881
1976 Federal Surplus/Deficit	2005	1478	1283	1368	1235	4945	2447	2855	2276	2959	3150	4452	4306	3894
1977 Federal Surplus/Deficit	3941	3914	4521	388	77	150	305	-1681	-1775	-1698	-2977	-1316	1024	1542
1978 Federal Surplus/Deficit	1333	547	125	-250	-288	173	1090	1075	2493	2456	1329	3600	4019	4355
-Ranked Averages-														
Top Ten Percent	3179	2246	2163	1727	1096	3938	2530	2288	2360	2502	3135	4185	4262	3951
Middle Eighty Percent	2566	1273	992	314	122	1022	1181	903	1256	1013	1488	3534	3828	3545
Bottom Ten Percent	2453	367	417	72	296	65	-1096	-1388	-867	-1084	-2314	-1570	2361	2289

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3308	-725	313	-1036	-622	-869	-895	-2142	-901	-1640	-2589	-994	4153	2354
1930 Federal Surplus/Deficit	1387	36	137	-633	-439	-593	-2185	-1164	-1010	-1081	-1923	-1041	3001	2908
1931 Federal Surplus/Deficit	2130	686	-127	-580	-526	-909	-2198	-2149	-1246	-891	-2783	-1055	2936	2573
1932 Federal Surplus/Deficit	1911	997	434	-1020	-748	-942	-2238	-2248	236	2001	2732	4847	4803	3838
1933 Federal Surplus/Deficit	1652	2068	909	-751	-1141	-66	1785	1004	-156	88	834	3878	4293	3389
1934 Federal Surplus/Deficit	3454	3021	1230	208	812	4389	1611	2271	2714	2158	2812	4715	2552	3139
1935 Federal Surplus/Deficit	1121	-120	-90	-990	-1184	-907	1212	2292	-1183	-247	978	3283	4443	3776
1936 Federal Surplus/Deficit	2965	207	348	-923	-656	-676	-1862	-1997	-1031	-750	2308	5008	4652	2540
1937 Federal Surplus/Deficit	2111	539	146	-762	-540	-599	-2206	-1899	-1256	-1397	-2403	-635	2954	1753
1938 Federal Surplus/Deficit	1785	160	84	-673	-1103	-624	1347	-259	1713	1434	2147	4977	4938	3585
1939 Federal Surplus/Deficit	1038	244	946	-557	-698	-721	-119	-1962	-347	-67	788	3978	2540	3047
1940 Federal Surplus/Deficit	2515	691	119	-425	-676	-415	-520	-1082	1833	432	2116	3539	3318	2341
1941 Federal Surplus/Deficit	1007	-533	84	-478	-919	-337	-290	-1986	-1266	-1043	-2301	1581	3174	1969
1942 Federal Surplus/Deficit	996	499	935	-804	-1163	1331	1486	-340	-1923	-693	347	3443	4980	4238
1943 Federal Surplus/Deficit	3220	2083	234	-751	-1130	-753	1053	1571	2544	2138	2683	4894	4913	4018
1944 Federal Surplus/Deficit	3347	1398	255	-994	-813	-706	-394	-2048	-1875	-1884	-3210	-1036	1585	1753
1945 Federal Surplus/Deficit	1034	-55	293	-901	-642	-868	-2155	-1643	-1471	-1728	-2906	3281	4955	2704
1946 Federal Surplus/Deficit	1220	517	70	-1038	-867	-715	382	110	2877	1955	2904	5055	4794	4087
1947 Federal Surplus/Deficit	3261	1397	993	-1014	-948	2809	1786	2161	3041	786	1508	4828	4887	4151
1948 Federal Surplus/Deficit	2535	-56	651	1869	-37	1813	2337	122	1646	517	2786	5123	5339	4040
1949 Federal Surplus/Deficit	3575	3403	1248	-518	-910	-559	-150	-353	3176	1287	2916	4979	4817	1461
1950 Federal Surplus/Deficit	1042	-715	-275	-854	-965	-848	297	2522	3500	2326	2560	4737	4203	3747
1951 Federal Surplus/Deficit	3138	2283	960	281	382	3511	2051	2231	2655	2411	2816	5031	4826	4072
1952 Federal Surplus/Deficit	3591	2292	902	1261	-863	1662	1572	992	1325	2670	3023	5062	5026	3525
1953 Federal Surplus/Deficit	2518	-110	350	-833	-560	-878	-479	1398	-396	-712	729	4497	4791	3995
1954 Federal Surplus/Deficit	3229	1787	715	-601	-869	609	520	2252	1740	1578	1816	4926	4392	3578
1955 Federal Surplus/Deficit	4104	3864	3524	-337	-534	934	-340	-1750	-1643	-640	279	3036	4284	3319
1956 Federal Surplus/Deficit	3618	3453	259	-139	-136	3319	2003	1368	3401	2537	2281	4983	4275	3981
1957 Federal Surplus/Deficit	3544	2123	763	-312	-967	124	663	-940	1242	2185	2367	5094	4675	3475
1958 Federal Surplus/Deficit	1526	57	400	-827	-751	-854	-395	1028	1787	533	2509	5045	4886	3354
1959 Federal Surplus/Deficit	1518	827	605	-889	-616	2237	2037	2436	1865	1613	1499	4517	4609	3902
1960 Federal Surplus/Deficit	3508	1860	3641	2402	1092	3074	2077	-844	1201	1930	2942	3941	4788	3697
1961 Federal Surplus/Deficit	2674	-387	688	-753	-1032	-24	825	1742	2035	1803	1134	4721	4454	3704
1962 Federal Surplus/Deficit	2210	1419	188	-783	-702	-844	517	-619	-1069	2244	2748	4454	4801	3969
1963 Federal Surplus/Deficit	2771	1306	344	-101	-384	2300	1703	100	-716	-359	-266	4410	5003	3916
1964 Federal Surplus/Deficit	3358	1549	993	-1023	-812	-522	186	-590	-1437	675	1272	3865	4484	3629
1965 Federal Surplus/Deficit	3587	3001	1568	533	-745	3249	2010	2877	3087	1527	2975	4955	4941	3731
1966 Federal Surplus/Deficit	3497	2413	943	-119	-794	541	1586	-823	-1270	2473	1392	3555	4443	3914
1967 Federal Surplus/Deficit	3541	918	265	-874	-829	-491	2123	2880	666	233	-524	4041	4463	3945
1968 Federal Surplus/Deficit	3648	1518	1016	-585	-990	-225	1037	1623	1515	-1778	-923	3386	4750	4222
1969 Federal Surplus/Deficit	3655	2684	2275	572	-12	1765	2194	2374	1030	2526	2732	5030	4692	4077
1970 Federal Surplus/Deficit	2758	534	562	-659	-661	-632	563	589	80	-911	183	4401	4924	3563
1971 Federal Surplus/Deficit	1306	-319	84	-826	-400	-790	1709	2368	2482	2156	2975	5030	4492	3887
1972 Federal Surplus/Deficit	4034	3551	1219	-408	-869	203	2031	2758	2818	1550	2095	5001	4757	3589
1973 Federal Surplus/Deficit	4121	3684	1867	-304	-879	602	1336	-1767	-1425	-1998	-2387	1320	2959	2453
1974 Federal Surplus/Deficit	1566	-602	-280	-924	-1116	1874	1721	2282	3501	2282	2690	4760	4701	3274
1975 Federal Surplus/Deficit	3907	3604	1075	-1021	-762	-654	1089	664	2305	-54	995	4509	4775	3773
1976 Federal Surplus/Deficit	2010	1501	1011	499	354	4150	1980	2368	1889	2669	2884	5070	4866	3783
1977 Federal Surplus/Deficit	3938	3921	4248	-480	-806	-642	-166	-2174	-2181	-2007	-3260	-677	1575	1415
1978 Federal Surplus/Deficit	1339	568	-148	-1138	-1187	-618	620	586	2106	2162	1065	4225	4582	4237
-Ranked Averages-														
Top Ten Percent	3180	2266	1891	857	214	3150	2062	1801	1972	2213	2870	4805	4823	3872
Middle Eighty Percent	2566	1294	720	-557	-762	229	711	415	866	721	1223	4158	4393	3467
Bottom Ten Percent	2457	387	145	-801	-588	-735	-1575	-1880	-1258	-1379	-2582	-952	2926	2268

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3218	-870	223	-988	-621	-879	-939	-2188	-932	-1602	-2557	-1752	3527	2563
1930 Federal Surplus/Deficit	1317	-3.7	47	-580	-437	-598	-2232	-1210	-1041	-1046	-1896	-1799	2425	3057
1931 Federal Surplus/Deficit	2054	641	-217	-527	-524	-918	-2245	-2195	-1276	-856	-2750	-1814	2332	2664
1932 Federal Surplus/Deficit	1837	947	345	-966	-746	-951	-2286	-2297	204	2021	2691	4107	4068	3918
1933 Federal Surplus/Deficit	1585	2007	819	-698	-1145	-70	1741	960	-187	118	846	3162	3561	3351
1934 Federal Surplus/Deficit	3363	2939	1140	262	814	4380	1569	2228	2683	2143	2771	3977	1921	3216
1935 Federal Surplus/Deficit	1056	-154	-179	-937	-1188	-917	1169	2247	-1214	-215	990	2579	3792	3848
1936 Federal Surplus/Deficit	2885	176	258	-870	-654	-681	-1907	-2043	-1061	-716	2264	4264	3987	2718
1937 Federal Surplus/Deficit	2039	499	56	-709	-538	-604	-2254	-1944	-1286	-1360	-2372	-1280	2385	1986
1938 Federal Surplus/Deficit	1716	125	-5.7	-620	-1101	-629	1304	-304	1682	1457	2149	4234	4202	3696
1939 Federal Surplus/Deficit	884	205	856	-504	-696	-727	-162	-2008	-378	-37	800	3260	1982	3183
1940 Federal Surplus/Deficit	2439	649	29	-372	-674	-420	-564	-1128	1803	461	2118	2828	2727	2529
1941 Federal Surplus/Deficit	853	-563	-6	-426	-918	-342	-334	-2033	-1296	-1008	-2271	905	2597	2197
1942 Federal Surplus/Deficit	841	462	844	-751	-1162	1328	1443	-387	-1955	-660	361	2733	4245	4275
1943 Federal Surplus/Deficit	3133	2021	144	-698	-1129	-758	1009	1525	2513	2122	2641	4151	4177	3975
1944 Federal Surplus/Deficit	3259	1349	165	-941	-811	-712	-438	-2094	-1906	-1845	-3175	-1795	1048	2001
1945 Federal Surplus/Deficit	880	-90	203	-848	-640	-878	-2202	-1689	-1502	-1690	-2873	2575	4219	2890
1946 Federal Surplus/Deficit	1154	478	-20	-991	-866	-720	338	65	2846	1976	2899	4299	4059	4140
1947 Federal Surplus/Deficit	3174	1347	903	-966	-947	2805	1743	2115	3010	813	1516	4075	4205	4196
1948 Federal Surplus/Deficit	2462	-88	560	1922	-35	1809	2293	76	1615	546	2782	4366	4616	3998
1949 Federal Surplus/Deficit	3480	3306	1158	-465	-908	-563	-193	-399	3144	1310	2875	4222	4082	1609
1950 Federal Surplus/Deficit	887	-869	-370	-801	-964	-858	253	2477	3468	2345	2558	4000	3471	3706
1951 Federal Surplus/Deficit	3056	2222	870	334	383	3506	2008	2186	2624	2394	2774	4274	4090	4030
1952 Federal Surplus/Deficit	3495	2227	812	1314	-861	1658	1528	947	1295	2652	2980	4305	4291	3646
1953 Federal Surplus/Deficit	2443	-141	260	-780	-558	-888	-523	1353	-427	-678	741	3766	4057	3954
1954 Federal Surplus/Deficit	3142	1732	625	-548	-868	605	476	2207	1710	1601	1820	4183	3660	3538
1955 Federal Surplus/Deficit	3953	3740	3435	-283	-532	931	-384	-1796	-1674	-606	294	2335	3553	3282
1956 Federal Surplus/Deficit	3522	3353	170	-86	-134	3315	1960	1322	3369	2520	2240	4227	3544	3939
1957 Federal Surplus/Deficit	3449	2062	673	-259	-966	120	620	-986	1211	2205	2367	4337	3942	3590
1958 Federal Surplus/Deficit	1458	22	310	-774	-750	-863	-438	983	1757	560	2507	4288	4152	3479
1959 Federal Surplus/Deficit	1450	784	515	-836	-614	2234	1994	2391	1834	1636	1507	3785	3875	3861
1960 Federal Surplus/Deficit	3415	1803	3552	2455	1093	3070	2034	-889	1171	1915	2900	3224	4053	3781
1961 Federal Surplus/Deficit	2599	-417	598	-700	-1030	-28	782	1697	2004	1827	1146	3985	3722	3782
1962 Federal Surplus/Deficit	2134	1365	98	-730	-701	-849	473	-665	-1100	2264	2706	3725	4128	4034
1963 Federal Surplus/Deficit	2693	1258	255	-48	-382	2296	1659	54	-746	-326	-246	3681	4290	3988
1964 Federal Surplus/Deficit	3267	1496	904	-975	-811	-527	143	-635	-1467	702	1280	3148	3751	3589
1965 Federal Surplus/Deficit	3491	2917	1478	586	-743	3245	1968	2831	3055	1550	2933	4201	4206	3840
1966 Federal Surplus/Deficit	3404	2348	853	-66	-792	538	1543	-868	-1301	2491	1401	2846	3787	3973
1967 Federal Surplus/Deficit	3445	870	175	-821	-828	-495	2080	2835	636	264	-502	3319	3730	3904
1968 Federal Surplus/Deficit	3550	1467	926	-532	-988	-229	993	1577	1484	-1740	-926	2678	4015	4180
1969 Federal Surplus/Deficit	3556	2610	2185	625	-10	1761	2151	2328	1000	2511	2691	4273	3958	4130
1970 Federal Surplus/Deficit	2677	492	472	-606	-659	-637	519	544	50	-877	201	3671	4189	3685
1971 Federal Surplus/Deficit	1238	-355	-6.6	-773	-398	-796	1666	2324	2451	2175	2969	4273	3759	3845
1972 Federal Surplus/Deficit	3919	3445	1129	-355	-868	199	1988	2714	2788	1535	2098	4244	4068	3549
1973 Federal Surplus/Deficit	3975	3572	1776	-251	-877	598	1292	-1813	-1456	-1959	-2356	647	2387	2638
1974 Federal Surplus/Deficit	1495	-637	-374	-871	-1120	1870	1679	2238	3469	2266	2648	4002	4000	3237
1975 Federal Surplus/Deficit	3800	3496	986	-974	-760	-659	1045	619	2275	-23	1006	3778	4040	3732
1976 Federal Surplus/Deficit	1942	1451	921	551	355	4144	1937	2323	1858	2653	2879	4313	4131	3743
1977 Federal Surplus/Deficit	3788	3769	4158	-427	-804	-647	-210	-2220	-2216	-2027	-3306	-1359	838	1369
1978 Federal Surplus/Deficit	1269	525	-238	-1090	-1190	-624	575	539	2076	2181	1076	3499	3926	4194
-Ranked Averages-														
Top Ten Percent	3092	2201	1801	910	216	3145	2019	1756	1941	2204	2835	4057	4088	3905
Middle Eighty Percent	2470	1234	630	-505	-761	223	667	369	835	741	1219	3427	3690	3511
Bottom Ten Percent	2377	323	55	-749	-586	-742	-1621	-1926	-1288	-1342	-2550	-1688	2344	2454

Table A-30: Federal Surplus/Deficit - 50 Water Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3217	-661	114	-1131	-763	-1025	-1084	-2332	-1066	-1736	-2691	-1195	4144	2484
1930 Federal Surplus/Deficit	1409	160	-61	-708	-580	-734	-2387	-1353	-1175	-1179	-2030	-1242	3048	2977
1931 Federal Surplus/Deficit	2084	769	-325	-655	-667	-1065	-2400	-2340	-1411	-989	-2884	-1257	2954	2584
1932 Federal Surplus/Deficit	1781	917	237	-1094	-889	-1098	-2440	-2449	70	1890	2561	4669	4686	3833
1933 Federal Surplus/Deficit	1669	2049	710	-826	-1300	-202	1597	820	-323	-14	714	3729	4184	3273
1934 Federal Surplus/Deficit	3340	2923	1032	134	671	4234	1427	2087	2549	2013	2640	4540	2544	3136
1935 Federal Surplus/Deficit	1040	-121	-287	-1066	-1343	-1063	1025	2106	-1350	-348	859	3147	4411	3764
1936 Federal Surplus/Deficit	2853	271	150	-998	-797	-816	-2054	-2188	-1195	-850	2130	4825	4604	2640
1937 Federal Surplus/Deficit	2077	643	-52	-837	-680	-739	-2408	-2088	-1420	-1493	-2506	-711	3006	1910
1938 Federal Surplus/Deficit	1712	173	-114	-748	-1243	-765	1160	-447	1549	1325	2017	4795	4818	3612
1939 Federal Surplus/Deficit	945	428	748	-633	-839	-863	-308	-2152	-512	-170	666	3826	2606	3102
1940 Federal Surplus/Deficit	2401	674	-79	-501	-817	-555	-710	-1271	1670	329	1986	3394	3350	2451
1941 Federal Surplus/Deficit	717	-472	-115	-555	-1061	-476	-479	-2178	-1430	-1143	-2404	1474	3219	2119
1942 Federal Surplus/Deficit	864	659	735	-880	-1306	1197	1299	-531	-2090	-794	228	3300	4861	4188
1943 Federal Surplus/Deficit	3132	2085	36	-826	-1272	-894	864	1382	2378	1991	2509	4713	4793	3890
1944 Federal Surplus/Deficit	3257	1508	56	-1069	-954	-848	-583	-2239	-2041	-1978	-3309	-1237	1672	1923
1945 Federal Surplus/Deficit	918	88	94	-977	-783	-1024	-2357	-1834	-1637	-1824	-3007	3141	4835	2810
1946 Federal Surplus/Deficit	1268	648	-129	-1133	-1008	-857	192	-76	2710	1844	2767	4859	4677	4054
1947 Federal Surplus/Deficit	3171	1493	794	-1109	-1090	2673	1599	1972	2875	680	1386	4636	4821	4109
1948 Federal Surplus/Deficit	2508	170	452	1792	-177	1678	2149	-68	1481	415	2651	4926	5229	3913
1949 Federal Surplus/Deficit	3456	3278	1051	-593	-1051	-698	-338	-541	3008	1178	2744	4783	4699	1533
1950 Federal Surplus/Deficit	928	-961	-490	-929	-1107	-1004	109	2335	3330	2213	2427	4562	4094	3623
1951 Federal Surplus/Deficit	3070	2301	762	205	241	3373	1864	2046	2489	2262	2643	4835	4707	3945
1952 Federal Surplus/Deficit	3468	2309	704	1184	-1004	1527	1384	804	1162	2519	2848	4866	4906	3562
1953 Federal Surplus/Deficit	2494	123	151	-909	-701	-1035	-670	1212	-561	-812	608	4331	4675	3869
1954 Federal Surplus/Deficit	3145	1855	517	-676	-1010	474	332	2065	1577	1470	1689	4745	4281	3458
1955 Federal Surplus/Deficit	3821	3651	3326	-411	-673	800	-530	-1940	-1808	-739	159	2903	4177	3204
1956 Federal Surplus/Deficit	3491	3307	62	-214	-276	3182	1817	1180	3232	2388	2111	4788	4167	3855
1957 Federal Surplus/Deficit	3427	2161	564	-388	-1109	-12	476	-1130	1076	2074	2235	4897	4561	3506
1958 Federal Surplus/Deficit	1566	263	201	-902	-892	-1010	-583	841	1623	428	2376	4849	4768	3396
1959 Federal Surplus/Deficit	1560	982	406	-965	-757	2102	1850	2249	1700	1505	1377	4349	4494	3777
1960 Federal Surplus/Deficit	3391	1919	3442	2324	950	2938	1889	-1032	1037	1786	2769	3791	4671	3697
1961 Federal Surplus/Deficit	2632	-179	489	-828	-1172	-161	638	1554	1871	1696	1017	4547	4343	3698
1962 Federal Surplus/Deficit	2127	1404	-11	-858	-844	-986	329	-810	-1234	2133	2575	4289	4744	3949
1963 Federal Surplus/Deficit	2725	1401	146	-177	-524	2165	1514	-89	-877	-459	-378	4246	4904	3903
1964 Federal Surplus/Deficit	3259	1633	795	-1118	-954	-662	-1.5	-778	-1602	569	1149	3714	4372	3509
1965 Federal Surplus/Deficit	3467	2934	1369	457	-886	3111	1824	2688	2919	1418	2801	4762	4821	3755
1966 Federal Surplus/Deficit	3389	2428	744	-195	-935	406	1398	-1011	-1435	2359	1268	3415	4405	3888
1967 Federal Surplus/Deficit	3379	940	66	-949	-970	-630	1936	2693	502	135	-632	3883	4351	3821
1968 Federal Surplus/Deficit	3515	1592	818	-660	-1131	-362	849	1435	1352	-1874	-1056	3245	4633	4094
1969 Federal Surplus/Deficit	3521	2660	2076	496	-152	1631	2007	2186	868	2380	2560	4835	4577	4043
1970 Federal Surplus/Deficit	2713	685	364	-735	-801	-772	374	403	-85	-1010	71	4234	4805	3601
1971 Federal Surplus/Deficit	1361	-87	-116	-901	-542	-932	1521	2183	2316	2043	2837	4834	4380	3762
1972 Federal Surplus/Deficit	3848	3402	1020	-485	-1011	67	1843	2572	2654	1407	1967	4805	4686	3469
1973 Federal Surplus/Deficit	3842	3509	1667	-380	-1020	466	1148	-1958	-1591	-2093	-2489	1216	3010	2559
1974 Federal Surplus/Deficit	1534	-489	-495	-1000	-1275	1739	1537	2098	3330	2134	2517	4559	4619	3160
1975 Federal Surplus/Deficit	3746	3446	879	-1116	-903	-794	901	477	2142	-154	875	4341	4657	3650
1976 Federal Surplus/Deficit	2038	1616	812	421	213	4005	1793	2181	1724	2521	2747	4874	4747	3661
1977 Federal Surplus/Deficit	3658	3635	4049	-555	-946	-783	-355	-2364	-2360	-2168	-3447	-786	1449	1276
1978 Federal Surplus/Deficit	1220	529	-346	-1232	-1345	-761	430	395	1943	2049	947	4064	4543	4107
-Ranked Averages-														
Top Ten Percent	3097	2286	1692	781	73	3012	1876	1614	1807	2073	2704	4619	4704	3820
Middle Eighty Percent	2466	1320	521	-635	-905	87	522	226	700	608	1087	3991	4309	3428
Bottom Ten Percent	2409	484	-54	-880	-729	-882	-1772	-2071	-1423	-1475	-2684	-1128	2965	2375

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3214	-655	126	-1199	-806	-1095	-1155	-2403	-1126	-1795	-2750	-1946	3379	2410
1930 Federal Surplus/Deficit	1408	165	-49	-769	-621	-797	-2464	-1424	-1234	-1239	-2089	-1993	2287	2902
1931 Federal Surplus/Deficit	2083	774	-312	-716	-709	-1134	-2476	-2410	-1470	-1048	-2942	-2008	2194	2509
1932 Federal Surplus/Deficit	1780	922	249	-1154	-931	-1167	-2517	-2524	10	1831	2504	3921	3921	3756
1933 Federal Surplus/Deficit	1670	2052	722	-887	-1349	-264	1527	752	-383	-73	656	2984	3423	3201
1934 Federal Surplus/Deficit	3336	2924	1044	74	628	4165	1358	2020	2490	1957	2584	3791	1784	3062
1935 Federal Surplus/Deficit	1040	-117	-275	-1126	-1392	-1133	955	2037	-1410	-407	801	2402	3647	3688
1936 Federal Surplus/Deficit	2850	277	162	-1058	-839	-878	-2126	-2258	-1255	-909	2070	4077	3839	2566
1937 Federal Surplus/Deficit	2077	647	-40	-898	-722	-801	-2485	-2159	-1479	-1552	-2564	-1455	2244	1837
1938 Federal Surplus/Deficit	1711	177	-102	-808	-1286	-829	1091	-517	1490	1266	1959	4047	4052	3536
1939 Federal Surplus/Deficit	945	431	760	-693	-881	-927	-379	-2223	-571	-230	607	3081	1847	3027
1940 Federal Surplus/Deficit	2400	678	-67	-561	-859	-618	-782	-1342	1611	269	1927	2648	2590	2376
1941 Federal Surplus/Deficit	717	-466	-103	-616	-1104	-538	-551	-2249	-1490	-1203	-2462	730	2458	2044
1942 Federal Surplus/Deficit	863	663	747	-941	-1349	1137	1229	-602	-2150	-855	169	2554	4095	4110
1943 Federal Surplus/Deficit	3129	2087	48	-887	-1315	-958	793	1312	2318	1934	2451	3964	4028	3812
1944 Federal Surplus/Deficit	3253	1511	68	-1129	-996	-912	-654	-2310	-2100	-2038	-3368	-1989	913	1848
1945 Federal Surplus/Deficit	918	92	107	-1037	-825	-1094	-2433	-1905	-1696	-1884	-3066	2395	4069	2735
1946 Federal Surplus/Deficit	1267	653	-118	-1201	-1051	-922	120	-146	2650	1785	2709	4110	3912	3976
1947 Federal Surplus/Deficit	3168	1497	806	-1177	-1133	2611	1528	1902	2815	621	1329	3888	4055	4031
1948 Federal Surplus/Deficit	2508	176	464	1731	-219	1617	2078	-139	1422	356	2593	4177	4462	3836
1949 Federal Surplus/Deficit	3451	3276	1063	-654	-1094	-761	-409	-612	2947	1117	2686	4034	3934	1460
1950 Federal Surplus/Deficit	928	-956	-485	-990	-1150	-1074	38	2265	3270	2154	2369	3814	3334	3548
1951 Federal Surplus/Deficit	3066	2304	774	144	198	3310	1795	1977	2429	2203	2586	4086	3941	3869
1952 Federal Surplus/Deficit	3464	2312	717	1123	-1046	1466	1313	734	1104	2460	2789	4117	4139	3486
1953 Federal Surplus/Deficit	2493	128	163	-969	-743	-1104	-742	1142	-621	-871	550	3583	3911	3793
1954 Federal Surplus/Deficit	3142	1857	529	-737	-1053	412	261	1995	1518	1411	1630	3996	3520	3385
1955 Federal Surplus/Deficit	3815	3646	3338	-471	-715	739	-602	-2010	-1867	-799	99	2157	3417	3134
1956 Federal Surplus/Deficit	3487	3305	74	-274	-319	3119	1747	1110	3171	2330	2055	4040	3407	3779
1957 Federal Surplus/Deficit	3423	2164	576	-449	-1151	-74	405	-1201	1016	2016	2177	4147	3798	3430
1958 Federal Surplus/Deficit	1565	267	213	-963	-935	-1079	-653	771	1565	368	2317	4099	4004	3319
1959 Federal Surplus/Deficit	1559	986	418	-1025	-799	2041	1781	2179	1641	1447	1319	3602	3731	3702
1960 Federal Surplus/Deficit	3387	1922	3454	2262	907	2877	1819	-1102	978	1731	2712	3045	3906	3621
1961 Federal Surplus/Deficit	2631	-174	501	-888	-1214	-223	567	1485	1812	1638	962	3799	3582	3621
1962 Federal Surplus/Deficit	2126	1408	1.1	-919	-886	-1050	258	-881	-1293	2075	2518	3541	3978	3871
1963 Federal Surplus/Deficit	2723	1405	158	-239	-566	2104	1443	-160	-935	-518	-435	3498	4138	3826
1964 Federal Surplus/Deficit	3256	1636	807	-1186	-996	-725	-72	-848	-1661	509	1091	2968	3610	3436
1965 Federal Surplus/Deficit	3462	2934	1382	396	-928	3049	1755	2618	2859	1359	2743	4013	4055	3678
1966 Federal Surplus/Deficit	3385	2429	755	-256	-977	345	1328	-1081	-1494	2300	1211	2670	3641	3811
1967 Federal Surplus/Deficit	3375	945	79	-1010	-1013	-693	1865	2623	444	77	-687	3136	3589	3746
1968 Federal Surplus/Deficit	3511	1597	830	-721	-1173	-424	778	1364	1293	-1934	-1112	2500	3868	4017
1969 Federal Surplus/Deficit	3516	2661	2089	435	-194	1570	1937	2117	809	2323	2503	4086	3813	3966
1970 Federal Surplus/Deficit	2712	690	376	-795	-843	-835	303	333	-144	-1070	15	3486	4039	3523
1971 Federal Surplus/Deficit	1361	-82	-104	-962	-585	-997	1450	2114	2256	1984	2779	4085	3618	3687
1972 Federal Surplus/Deficit	3842	3399	1031	-546	-1054	4.8	1772	2502	2596	1351	1909	4056	3922	3396
1973 Federal Surplus/Deficit	3835	3506	1679	-441	-1063	404	1077	-2029	-1650	-2153	-2547	471	2250	2485
1974 Federal Surplus/Deficit	1534	-483	-489	-1060	-1325	1678	1468	2031	3269	2077	2461	3808	3856	3089
1975 Federal Surplus/Deficit	3740	3443	892	-1184	-945	-858	830	407	2083	-213	818	3594	3893	3576
1976 Federal Surplus/Deficit	2036	1618	824	360	170	3940	1723	2112	1664	2463	2688	4125	3981	3587
1977 Federal Surplus/Deficit	3654	3631	4063	-615	-988	-846	-426	-2435	-2424	-2232	-3511	-1525	680	1194
1978 Federal Surplus/Deficit	1221	533	-334	-1301	-1395	-826	359	324	1885	1989	891	3317	3777	4029
-Ranked Averages-														
Top Ten Percent	3094	2288	1704	720	31	2949	1806	1544	1748	2016	2646	3871	3939	3744
Middle Eighty Percent	2463	1323	532	-697	-948	24	451	156	641	549	1030	3244	3545	3352
Bottom Ten Percent	2407	489	-41	-942	-771	-948	-1847	-2141	-1482	-1535	-2743	-1878	2203	2301

Table A-30: Federal Surplus/Deficit - 50 Water Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3170	-697	645	-580	-200	-440	-519	-1791	-483	-1192	-2146	-941	4575	2914
1930 Federal Surplus/Deficit	1366	122	469	-144	-16	-137	-1832	-812	-591	-636	-1485	-988	3486	3406
1931 Federal Surplus/Deficit	2040	731	207	-91	-103	-479	-1845	-1799	-827	-445	-2338	-1003	3394	3013
1932 Federal Surplus/Deficit	1738	878	768	-529	-325	-512	-1885	-1916	653	2435	3110	4928	5117	4258
1933 Federal Surplus/Deficit	1629	2007	1240	-262	-749	397	2163	1366	259	530	1261	3993	4622	3708
1934 Federal Surplus/Deficit	3291	2878	1563	699	1233	4821	1996	2634	3133	2563	3189	4799	2984	3566
1935 Federal Surplus/Deficit	998	-160	244	-501	-792	-478	1591	2651	-768	197	1406	3412	4843	4191
1936 Federal Surplus/Deficit	2807	234	681	-433	-234	-218	-1491	-1647	-612	-306	2672	5084	5035	3070
1937 Federal Surplus/Deficit	2035	604	478	-273	-117	-141	-1853	-1547	-836	-949	-1960	-444	3441	2343
1938 Federal Surplus/Deficit	1669	134	416	-183	-680	-170	1727	95	2133	1870	2563	5054	5246	4038
1939 Federal Surplus/Deficit	903	387	1278	-69	-276	-267	257	-1611	72	373	1210	4090	3047	3530
1940 Federal Surplus/Deficit	2358	635	451	63	-254	42	-146	-730	2254	873	2532	3657	3789	2881
1941 Federal Surplus/Deficit	676	-508	416	8.5	-499	123	85	-1637	-846	-601	-1858	1741	3657	2548
1942 Federal Surplus/Deficit	821	619	1264	-317	-744	1798	1866	9.2	-1507	-252	772	3563	5290	4611
1943 Federal Surplus/Deficit	3085	2042	566	-262	-710	-298	1429	1923	2960	2539	3056	4971	5223	4314
1944 Federal Surplus/Deficit	3209	1467	586	-505	-390	-252	-18	-1698	-1457	-1435	-2764	-983	2112	2351
1945 Federal Surplus/Deficit	876	48	625	-412	-219	-439	-1802	-1294	-1053	-1280	-2462	3404	5263	3239
1946 Federal Surplus/Deficit	1225	609	400	-582	-445	-263	755	467	3293	2389	3313	5117	5108	4478
1947 Federal Surplus/Deficit	3124	1453	1324	-558	-528	3272	2164	2514	3458	1224	1934	4895	5250	4533
1948 Federal Surplus/Deficit	2465	133	982	2355	387	2279	2714	473	2065	960	3197	5183	5656	4339
1949 Federal Surplus/Deficit	3406	3228	1582	-30	-489	-100	227	0.4	3589	1720	3291	5041	5129	1966
1950 Federal Surplus/Deficit	886	-999	29	-365	-544	-419	674	2877	3912	2757	2974	4822	4533	4051
1951 Federal Surplus/Deficit	3021	2259	1292	769	803	3971	2432	2591	3072	2806	3190	5093	5135	4371
1952 Federal Surplus/Deficit	3419	2267	1235	1747	-441	2128	1950	1347	1748	3063	3393	5124	5334	3989
1953 Federal Surplus/Deficit	2450	85	681	-345	-137	-446	-107	1755	22	-268	1154	4592	5107	4295
1954 Federal Surplus/Deficit	3098	1812	1047	-112	-447	1074	897	2608	2162	2015	2233	5003	4718	3890
1955 Federal Surplus/Deficit	3769	3596	3857	154	-109	1401	33	-1398	-1224	-196	702	3167	4615	3640
1956 Federal Surplus/Deficit	3442	3257	593	351	287	3780	2384	1722	3813	2934	2662	5047	4606	4282
1957 Federal Surplus/Deficit	3378	2119	1094	176	-546	587	1041	-589	1659	2620	2781	5154	4994	3933
1958 Federal Surplus/Deficit	1523	224	731	-338	-329	-424	-17	1384	2208	970	2921	5106	5199	3822
1959 Federal Surplus/Deficit	1518	942	936	-401	-193	2702	2418	2792	2284	2051	1924	4610	4928	4206
1960 Federal Surplus/Deficit	3343	1877	3973	2887	1512	3539	2455	-489	1622	2337	3316	4055	5101	4124
1961 Federal Surplus/Deficit	2589	-216	1020	-263	-608	438	1204	2097	2456	2243	1568	4807	4780	4124
1962 Federal Surplus/Deficit	2084	1364	519	-294	-281	-391	895	-269	-650	2680	3122	4550	5173	4373
1963 Federal Surplus/Deficit	2680	1362	676	386	39	2766	2079	452	-290	85	170	4507	5332	4328
1964 Federal Surplus/Deficit	3212	1592	1325	-567	-391	-64	565	-235	-1018	1111	1696	3977	4808	3941
1965 Federal Surplus/Deficit	3417	2887	1900	1021	-322	3709	2392	3230	3501	1963	3347	5020	5250	4180
1966 Federal Surplus/Deficit	3341	2384	1273	368	-371	1006	1964	-469	-851	2904	1815	3681	4837	4314
1967 Federal Surplus/Deficit	3331	903	597	-385	-407	-32	2502	3236	1088	683	-81	4144	4787	4249
1968 Federal Surplus/Deficit	3466	1553	1349	-96	-567	237	1415	1977	1937	-1330	-506	3509	5064	4519
1969 Federal Surplus/Deficit	3472	2615	2607	1059	411	2232	2574	2729	1453	2928	3108	5093	5009	4467
1970 Federal Surplus/Deficit	2669	647	894	-171	-237	-175	939	945	499	-467	621	4494	5234	4025
1971 Federal Surplus/Deficit	1319	-125	413	-337	21	-338	2086	2728	2899	2587	3383	5092	4815	4190
1972 Federal Surplus/Deficit	3796	3351	1549	78	-448	666	2409	3115	3240	1957	2513	5063	5119	3901
1973 Federal Surplus/Deficit	3789	3457	2197	183	-458	1065	1713	-1417	-1007	-1549	-1943	1482	3449	2989
1974 Federal Surplus/Deficit	1492	-525	24	-436	-724	2340	2106	2645	3911	2681	3066	4813	5052	3596
1975 Federal Surplus/Deficit	3694	3395	1410	-565	-340	-198	1466	1019	2726	391	1423	4602	5088	4080
1976 Federal Surplus/Deficit	1994	1573	1342	983	776	4598	2360	2725	2307	3067	3292	5131	5175	4092
1977 Federal Surplus/Deficit	3609	3581	4582	9.4	-383	-187	210	-1824	-1785	-1632	-2911	-510	1872	1697
1978 Federal Surplus/Deficit	1180	489	185	-682	-793	-167	994	935	2529	2592	1497	4326	4973	4530
-Ranked Averages-														
Top Ten Percent	3049	2242	2223	1344	636	3610	2443	2157	2391	2620	3251	4878	5134	4247
Middle Eighty Percent	2420	1278	1050	-73	-343	683	1087	768	1284	1153	1634	4252	4742	3856
Bottom Ten Percent	2364	446	477	-319	-165	-290	-1213	-1530	-839	-931	-2139	-872	3401	2805

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3701	-145	688	-632	-240	-497	-601	-1868	-550	-1258	-2212	-1712	3816	2871
1930 Federal Surplus/Deficit	1905	669	512	-178	-56	-179	-1926	-887	-658	-701	-1552	-1759	2732	3360
1931 Federal Surplus/Deficit	2577	1276	251	-126	-143	-536	-1939	-1876	-895	-509	-2405	-1774	2640	2968
1932 Federal Surplus/Deficit	2277	1421	811	-562	-365	-569	-1980	-2003	587	2372	3047	4162	4359	4206
1933 Federal Surplus/Deficit	2169	2547	1283	-296	-806	358	2082	1295	191	468	1197	3234	3869	3661
1934 Federal Surplus/Deficit	3822	3411	1607	666	1193	4764	1916	2562	3065	2501	3127	4034	2232	3519
1935 Federal Surplus/Deficit	1539	387	288	-535	-849	-535	1511	2578	-837	132	1344	2654	4086	4139
1936 Federal Surplus/Deficit	3341	783	725	-467	-274	-260	-1575	-1724	-679	-371	2607	4317	4276	3026
1937 Federal Surplus/Deficit	2572	1150	521	-307	-157	-183	-1948	-1623	-903	-1014	-2027	-1201	2687	2302
1938 Federal Surplus/Deficit	2208	680	460	-217	-720	-213	1647	21	2068	1808	2501	4287	4487	3988
1939 Federal Surplus/Deficit	1444	933	1321	-103	-316	-310	175	-1688	4.7	308	1144	3330	2295	3483
1940 Federal Surplus/Deficit	2894	1181	495	29	-294	0.4	-229	-805	2188	810	2467	2897	3037	2838
1941 Federal Surplus/Deficit	1218	42	459	-26	-539	82	3.2	-1714	-914	-667	-1925	983	2905	2505
1942 Federal Surplus/Deficit	1363	1164	1307	-350	-784	1762	1785	-67	-1576	-317	708	2803	4530	4556
1943 Federal Surplus/Deficit	3617	2582	611	-296	-750	-340	1348	1850	2892	2477	2993	4205	4464	4261
1944 Federal Surplus/Deficit	3740	2010	630	-538	-431	-296	-100	-1775	-1526	-1500	-2830	-1755	1362	2309
1945 Federal Surplus/Deficit	1418	593	668	-447	-260	-496	-1896	-1370	-1122	-1346	-2529	2645	4504	3194
1946 Federal Surplus/Deficit	1765	1157	443	-634	-486	-306	672	394	3224	2327	3250	4350	4350	4424
1947 Federal Surplus/Deficit	3656	1996	1367	-610	-568	3234	2083	2440	3388	1162	1873	4129	4491	4478
1948 Federal Surplus/Deficit	3001	683	1025	2318	348	2242	2632	398	1998	899	3134	4416	4892	4286
1949 Federal Surplus/Deficit	3936	3758	1627	-63	-529	-142	145	-73	3519	1657	3228	4275	4371	1927
1950 Federal Surplus/Deficit	1427	-450	57	-399	-585	-476	593	2804	3839	2694	2911	4057	3781	4001
1951 Federal Surplus/Deficit	3554	2797	1336	735	764	3930	2351	2519	3004	2743	3128	4326	4377	4318
1952 Federal Surplus/Deficit	3948	2805	1280	1711	-480	2092	1869	1274	1684	2999	3329	4357	4574	3938
1953 Federal Surplus/Deficit	2986	635	725	-379	-178	-489	-190	1683	-46	-333	1090	3829	4350	4243
1954 Federal Surplus/Deficit	3630	2353	1091	-145	-487	1036	816	2534	2095	1954	2172	4236	3964	3841
1955 Federal Surplus/Deficit	4296	4120	3899	122	-147	1364	-50	-1475	-1292	-261	634	2409	3863	3594
1956 Federal Surplus/Deficit	3971	3787	637	318	248	3740	2304	1649	3740	2871	2601	4280	3853	4230
1957 Federal Surplus/Deficit	3908	2658	1137	142	-586	549	960	-664	1592	2558	2719	4386	4238	3883
1958 Federal Surplus/Deficit	2062	770	775	-372	-369	-481	-98	1311	2142	907	2859	4339	4441	3773
1959 Federal Surplus/Deficit	2057	1487	979	-434	-233	2666	2337	2719	2217	1990	1863	3846	4172	4154
1960 Federal Surplus/Deficit	3873	2418	4014	2848	1471	3500	2374	-563	1556	2276	3253	3295	4344	4073
1961 Federal Surplus/Deficit	3124	334	1063	-297	-648	397	1123	2024	2390	2181	1508	4042	4025	4073
1962 Federal Surplus/Deficit	2621	1908	562	-328	-322	-435	814	-345	-718	2618	3060	3786	4414	4320
1963 Federal Surplus/Deficit	3214	1905	720	352	-0.2	2729	1997	378	-355	21	105	3744	4571	4275
1964 Federal Surplus/Deficit	3743	2134	1369	-619	-431	-107	484	-310	-1086	1049	1633	3217	4053	3893
1965 Federal Surplus/Deficit	3947	3420	1944	987	-362	3670	2311	3155	3431	1901	3284	4253	4490	4128
1966 Federal Surplus/Deficit	3871	2921	1316	334	-411	968	1883	-544	-918	2840	1750	2922	4079	4262
1967 Federal Surplus/Deficit	3861	1449	640	-419	-447	-74	2421	3162	1021	623	-142	3383	4033	4198
1968 Federal Surplus/Deficit	3995	2096	1392	-129	-607	198	1334	1903	1872	-1396	-569	2750	4306	4465
1969 Federal Surplus/Deficit	4001	3150	2650	1025	372	2195	2493	2656	1389	2866	3046	4326	4252	4413
1970 Federal Surplus/Deficit	3204	1193	937	-205	-277	-217	858	873	431	-532	559	3731	4475	3974
1971 Federal Surplus/Deficit	1858	423	456	-371	-20	-382	2005	2655	2832	2524	3320	4325	4061	4139
1972 Federal Surplus/Deficit	4321	3879	1592	43	-489	627	2327	3042	3172	1897	2451	4296	4361	3853
1973 Federal Surplus/Deficit	4315	3984	2239	149	-498	1028	1633	-1494	-1075	-1616	-2010	724	2697	2945
1974 Federal Surplus/Deficit	2032	22	52	-470	-781	2304	2025	2573	3838	2619	3004	4041	4296	3550
1975 Federal Surplus/Deficit	4221	3922	1455	-617	-380	-240	1385	946	2660	330	1361	3839	4331	4031
1976 Federal Surplus/Deficit	2531	2114	1385	948	736	4551	2279	2652	2241	3004	3229	4364	4416	4042
1977 Federal Surplus/Deficit	4137	4106	4623	-24	-423	-229	128	-1901	-1867	-1707	-2986	-1265	1107	1657
1978 Federal Surplus/Deficit	1720	1032	228	-734	-833	-210	912	859	2464	2529	1437	3565	4215	4476
-Ranked Averages-														
Top Ten Percent	3581	2780	2266	1309	596	3569	2362	2084	2324	2558	3188	4113	4376	4195
Middle Eighty Percent	2955	1820	1093	-109	-385	641	1005	694	1216	1090	1571	3489	3985	3806
Bottom Ten Percent	2899	992	520	-356	-205	-338	-1303	-1606	-906	-996	-2205	-1640	2648	2762

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3652	-174	642	-735	-339	-613	-711	-1978	-644	-1344	-2299	-1092	4485	2840
1930 Federal Surplus/Deficit	1864	635	466	-263	-154	-281	-2049	-996	-752	-787	-1639	-1139	3406	3327
1931 Federal Surplus/Deficit	2534	1240	206	-211	-241	-652	-2062	-1986	-990	-593	-2492	-1153	3312	2937
1932 Federal Surplus/Deficit	2234	1384	766	-647	-463	-685	-2102	-2123	494	2289	2965	4788	5029	4167
1933 Federal Surplus/Deficit	2128	2506	1237	-381	-919	260	1973	1190	95	384	1113	3867	4544	3628
1934 Federal Surplus/Deficit	3772	3364	1562	582	1095	4649	1807	2456	2971	2419	3044	4660	2906	3485
1935 Federal Surplus/Deficit	1499	353	244	-620	-962	-651	1402	2472	-933	47	1261	3288	4757	4100
1936 Federal Surplus/Deficit	3294	752	680	-551	-372	-361	-1687	-1834	-772	-457	2521	4941	4945	2996
1937 Federal Surplus/Deficit	2529	1115	476	-392	-255	-284	-2070	-1733	-997	-1100	-2114	-567	3360	2276
1938 Federal Surplus/Deficit	2166	646	415	-301	-818	-314	1538	-87	1976	1725	2418	4912	5154	3950
1939 Federal Surplus/Deficit	1405	898	1275	-188	-414	-412	64	-1797	-89	224	1057	3961	2971	3449
1940 Federal Surplus/Deficit	2850	1147	450	-56	-392	-100	-340	-914	2096	727	2381	3529	3712	2808
1941 Federal Surplus/Deficit	1180	11	414	-111	-637	-17	-107	-1824	-1007	-754	-2011	1617	3581	2476
1942 Federal Surplus/Deficit	1323	1129	1262	-435	-882	1667	1676	-176	-1671	-402	623	3434	5197	4514
1943 Federal Surplus/Deficit	3569	2540	567	-381	-848	-441	1239	1743	2798	2394	2910	4830	5132	4222
1944 Federal Surplus/Deficit	3690	1972	586	-622	-528	-397	-210	-1886	-1621	-1586	-2917	-1134	2038	2280
1945 Federal Surplus/Deficit	1378	558	623	-532	-358	-612	-2019	-1480	-1216	-1431	-2616	3277	5171	3162
1946 Federal Surplus/Deficit	1725	1123	398	-736	-583	-409	561	289	3128	2244	3166	4975	5019	4383
1947 Federal Surplus/Deficit	3608	1958	1322	-713	-666	3138	1974	2333	3292	1079	1792	4755	5158	4436
1948 Federal Surplus/Deficit	2956	652	980	2230	251	2146	2523	290	1905	817	3051	5040	5556	4247
1949 Federal Surplus/Deficit	3885	3707	1584	-148	-627	-242	35	-180	3422	1574	3145	4900	5040	1902
1950 Federal Surplus/Deficit	1388	-481	8.5	-483	-683	-583	483	2697	3740	2611	2828	4684	4456	3965
1951 Federal Surplus/Deficit	3505	2754	1291	650	667	3831	2242	2413	2910	2660	3045	4951	5045	4279
1952 Federal Surplus/Deficit	3897	2762	1236	1625	-578	1997	1760	1167	1592	2915	3245	4981	5240	3901
1953 Federal Surplus/Deficit	2941	604	679	-464	-276	-591	-300	1579	-140	-419	1006	4457	5020	4204
1954 Federal Surplus/Deficit	3582	2313	1046	-230	-585	940	707	2428	2002	1872	2090	4862	4638	3807
1955 Federal Surplus/Deficit	4241	4064	3852	38	-243	1268	-162	-1584	-1387	-346	545	3043	4537	3562
1956 Federal Surplus/Deficit	3920	3735	593	233	152	3642	2195	1542	3641	2787	2520	4905	4527	4192
1957 Federal Surplus/Deficit	3857	2616	1092	58	-684	453	851	-773	1498	2475	2636	5010	4908	3846
1958 Federal Surplus/Deficit	2021	736	729	-456	-467	-597	-207	1204	2049	824	2776	4963	5109	3736
1959 Federal Surplus/Deficit	2016	1452	934	-519	-330	2570	2228	2613	2124	1908	1781	4475	4843	4116
1960 Federal Surplus/Deficit	3823	2378	3967	2759	1372	3403	2265	-670	1463	2194	3169	3927	5013	4036
1961 Federal Surplus/Deficit	3079	303	1017	-381	-745	298	1013	1918	2297	2099	1428	4669	4698	4035
1962 Federal Surplus/Deficit	2577	1870	517	-413	-420	-538	704	-455	-812	2535	2977	4415	5081	4280
1963 Federal Surplus/Deficit	3168	1868	675	266	-97	2633	1887	271	-446	-64	20	4373	5237	4236
1964 Federal Surplus/Deficit	3694	2095	1324	-722	-529	-208	374	-417	-1180	967	1550	3850	4726	3858
1965 Federal Surplus/Deficit	3896	3372	1899	901	-460	3572	2202	3048	3335	1819	3200	4878	5158	4089
1966 Federal Surplus/Deficit	3821	2877	1271	248	-508	872	1774	-652	-1012	2756	1665	3556	4748	4223
1967 Federal Surplus/Deficit	3811	1414	595	-504	-545	-174	2312	3055	928	544	-224	4014	4705	4160
1968 Federal Surplus/Deficit	3944	2058	1347	-214	-704	101	1225	1797	1780	-1483	-653	3382	4975	4424
1969 Federal Surplus/Deficit	3950	3105	2605	940	275	2100	2384	2550	1298	2783	2963	4951	4922	4373
1970 Federal Surplus/Deficit	3159	1159	891	-290	-375	-318	749	768	337	-617	476	4359	5142	3936
1971 Federal Surplus/Deficit	1818	391	411	-456	-119	-484	1896	2549	2738	2441	3236	4950	4733	4101
1972 Federal Surplus/Deficit	4266	3827	1547	-43	-587	530	2218	2935	3077	1816	2369	4921	5030	3818
1973 Federal Surplus/Deficit	4260	3930	2193	63	-596	932	1524	-1604	-1169	-1703	-2096	1357	3372	2915
1974 Federal Surplus/Deficit	1991	-11	-9.1	-556	-894	2209	1917	2467	3738	2536	2922	4662	4966	3518
1975 Federal Surplus/Deficit	4168	3869	1411	-720	-478	-341	1276	840	2567	249	1279	4467	5000	3994
1976 Federal Surplus/Deficit	2487	2075	1340	862	639	4444	2170	2546	2148	2920	3145	4988	5084	4005
1977 Federal Surplus/Deficit	4085	4050	4575	-109	-521	-331	18	-2011	-1975	-1803	-3081	-628	1768	1630
1978 Federal Surplus/Deficit	1680	995	183	-837	-931	-311	802	751	2372	2446	1357	4195	4885	4434
-Ranked Averages-														
Top Ten Percent	3532	2737	2220	1222	499	3470	2253	1977	2231	2475	3104	4739	5044	4156
Middle Eighty Percent	2909	1781	1047	-196	-483	540	894	586	1121	1006	1487	4117	4655	3770
Bottom Ten Percent	2854	958	475	-445	-303	-445	-1420	-1716	-1001	-1082	-2292	-1017	3320	2732

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3581	-228	555	-857	-458	-725	-823	-2090	-739	-1434	-2391	-1867	3721	2788
1930 Federal Surplus/Deficit	1799	576	379	-372	-274	-382	-2172	-1106	-847	-877	-1731	-1914	2645	3272
1931 Federal Surplus/Deficit	2467	1179	120	-320	-361	-765	-2185	-2098	-1085	-681	-2583	-1929	2550	2884
1932 Federal Surplus/Deficit	2168	1322	678	-755	-583	-798	-2225	-2244	402	2202	2877	4016	4265	4107
1933 Federal Surplus/Deficit	2062	2440	1150	-489	-1051	162	1861	1083	0	297	1024	3100	3784	3572
1934 Federal Surplus/Deficit	3700	3293	1476	474	976	4536	1695	2348	2876	2332	2956	3889	2146	3430
1935 Federal Surplus/Deficit	1434	294	158	-728	-1094	-763	1290	2364	-1029	-42	1173	2521	3994	4041
1936 Federal Surplus/Deficit	3224	695	594	-660	-491	-462	-1801	-1946	-866	-546	2432	4169	4181	2943
1937 Federal Surplus/Deficit	2462	1055	390	-500	-375	-385	-2193	-1845	-1092	-1189	-2205	-1333	2600	2226
1938 Federal Surplus/Deficit	2100	586	328	-410	-937	-415	1426	-196	1883	1639	2330	4140	4389	3892
1939 Federal Surplus/Deficit	1341	839	1188	-296	-533	-514	-48	-1909	-183	135	966	3194	2211	3394
1940 Federal Surplus/Deficit	2781	1087	364	-165	-511	-201	-454	-1025	2002	639	2292	2761	2952	2756
1941 Federal Surplus/Deficit	1117	-45	327	-220	-756	-116	-220	-1936	-1101	-844	-2103	851	2822	2426
1942 Federal Surplus/Deficit	1260	1068	1175	-543	-1001	1572	1564	-287	-1766	-491	533	2667	4432	4452
1943 Federal Surplus/Deficit	3497	2474	481	-489	-967	-541	1127	1634	2704	2307	2822	4058	4368	4162
1944 Federal Surplus/Deficit	3618	1909	500	-730	-648	-499	-322	-1997	-1716	-1676	-3008	-1910	1280	2230
1945 Federal Surplus/Deficit	1315	498	536	-640	-477	-725	-2142	-1591	-1311	-1521	-2707	2510	4406	3108
1946 Federal Surplus/Deficit	1660	1065	311	-843	-703	-510	449	180	3032	2156	3077	4202	4256	4322
1947 Federal Surplus/Deficit	3536	1896	1235	-836	-786	3041	1862	2224	3196	992	1705	3983	4394	4375
1948 Federal Surplus/Deficit	2888	595	893	2119	133	2050	2410	180	1811	731	2963	4267	4789	4187
1949 Federal Surplus/Deficit	3812	3633	1499	-255	-747	-342	-77	-289	3324	1487	3057	4127	4276	1854
1950 Federal Surplus/Deficit	1324	-537	-78	-591	-802	-685	371	2588	3640	2523	2741	3913	3697	3907
1951 Federal Surplus/Deficit	3434	2688	1205	541	549	3731	2130	2305	2815	2572	2957	4178	4281	4218
1952 Federal Surplus/Deficit	3824	2696	1151	1515	-697	1901	1648	1059	1500	2827	3156	4208	4475	3843
1953 Federal Surplus/Deficit	2872	547	593	-572	-395	-693	-413	1471	-234	-508	917	3687	4257	4145
1954 Federal Surplus/Deficit	3510	2248	959	-338	-704	842	595	2319	1909	1785	2003	4089	3877	3749
1955 Federal Surplus/Deficit	4165	3987	3763	-69	-361	1171	-275	-1696	-1483	-435	453	2277	3777	3506
1956 Federal Surplus/Deficit	3846	3662	508	125	33	3543	2083	1434	3543	2699	2432	4133	3767	4132
1957 Federal Surplus/Deficit	3784	2550	1006	-50	-803	356	739	-883	1404	2388	2548	4237	4145	3789
1958 Federal Surplus/Deficit	1956	677	642	-564	-587	-710	-319	1096	1956	737	2688	4190	4345	3679
1959 Federal Surplus/Deficit	1950	1391	847	-627	-448	2474	2116	2504	2030	1821	1694	3705	4081	4057
1960 Federal Surplus/Deficit	3750	2313	3878	2647	1253	3306	2152	-779	1370	2107	3081	3160	4249	3977
1961 Federal Surplus/Deficit	3010	247	930	-490	-864	199	901	1809	2204	2012	1342	3898	3936	3976
1962 Federal Surplus/Deficit	2510	1808	429	-522	-540	-640	592	-565	-907	2447	2889	3645	4317	4220
1963 Federal Surplus/Deficit	3098	1806	588	158	-216	2537	1775	163	-538	-153	-71	3603	4472	4176
1964 Federal Surplus/Deficit	3622	2032	1237	-845	-649	-308	262	-527	-1274	880	1462	3083	3965	3800
1965 Federal Surplus/Deficit	3823	3301	1812	793	-579	3473	2090	2938	3238	1732	3111	4105	4393	4030
1966 Federal Surplus/Deficit	3748	2810	1184	140	-627	775	1662	-762	-1106	2668	1574	2790	3985	4163
1967 Federal Surplus/Deficit	3738	1355	508	-612	-665	-274	2199	2945	834	459	-311	3246	3944	4100
1968 Federal Surplus/Deficit	3871	1995	1260	-322	-822	3.2	1114	1688	1687	-1573	-742	2615	4212	4363
1969 Federal Surplus/Deficit	3876	3036	2519	832	156	2003	2272	2441	1207	2695	2875	4178	4160	4311
1970 Federal Surplus/Deficit	3089	1099	804	-399	-494	-418	637	661	243	-706	388	3590	4378	3878
1971 Federal Surplus/Deficit	1753	334	324	-564	-239	-585	1784	2441	2644	2353	3147	4177	3972	4042
1972 Federal Surplus/Deficit	4190	3752	1459	-152	-707	432	2106	2825	2982	1730	2282	4149	4267	3761
1973 Federal Surplus/Deficit	4184	3855	2106	-45	-716	835	1412	-1715	-1264	-1794	-2188	591	2613	2862
1974 Federal Surplus/Deficit	1925	-69	-108	-664	-1026	2114	1805	2359	3639	2448	2834	3886	4203	3462
1975 Federal Surplus/Deficit	4092	3794	1325	-843	-598	-441	1164	731	2473	164	1192	3697	4237	3936
1976 Federal Surplus/Deficit	2420	2012	1253	753	520	4339	2058	2437	2055	2831	3057	4215	4320	3947
1977 Federal Surplus/Deficit	4010	3973	4486	-217	-640	-432	-95	-2123	-2081	-1900	-3179	-1392	999	1580
1978 Federal Surplus/Deficit	1615	932	96	-959	-1050	-411	690	640	2279	2358	1272	3426	4122	4373
-Ranked Averages-														
Top Ten Percent	3461	2670	2133	1113	380	3370	2140	1868	2137	2388	3016	3967	4281	4097
Middle Eighty Percent	2840	1717	960	-306	-604	439	782	476	1026	918	1398	3347	3893	3713
Bottom Ten Percent	2785	898	389	-556	-423	-551	-1539	-1827	-1096	-1171	-2383	-1791	2559	2680

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3523	-269	502	-965	-563	-845	-944	-2195	-839	-1533	-2490	-1193	4406	2774
1930 Federal Surplus/Deficit	1748	530	326	-466	-379	-490	-2303	-1209	-947	-975	-1831	-1241	3332	3254
1931 Federal Surplus/Deficit	2413	1132	67	-414	-466	-885	-2315	-2204	-1186	-777	-2682	-1255	3237	2868
1932 Federal Surplus/Deficit	2116	1273	625	-848	-687	-910	-2356	-2357	304	2106	2780	4694	4951	4085
1933 Federal Surplus/Deficit	2011	2389	1097	-583	-1168	56	1741	982	-101	201	926	3783	4473	3553
1934 Federal Surplus/Deficit	3641	3236	1424	382	871	4416	1575	2245	2775	2236	2860	4566	2834	3411
1935 Federal Surplus/Deficit	1384	249	106	-822	-1211	-883	1170	2261	-1130	-140	1076	3204	4681	4019
1936 Federal Surplus/Deficit	3168	651	542	-753	-596	-570	-1924	-2051	-966	-643	2334	4845	4866	2927
1937 Federal Surplus/Deficit	2409	1009	338	-593	-479	-493	-2324	-1950	-1192	-1288	-2305	-650	3288	2214
1938 Federal Surplus/Deficit	2048	541	276	-503	-1042	-523	1307	-300	1784	1544	2234	4817	5074	3871
1939 Federal Surplus/Deficit	1291	793	1136	-389	-638	-622	-170	-2014	-283	38	867	3875	2901	3376
1940 Federal Surplus/Deficit	2727	1041	312	-259	-616	-309	-575	-1129	1904	544	2194	3443	3641	2741
1941 Federal Surplus/Deficit	1068	-88	275	-314	-860	-223	-341	-2041	-1201	-943	-2203	1534	3512	2412
1942 Federal Surplus/Deficit	1210	1022	1122	-636	-1105	1469	1444	-391	-1867	-588	436	3349	5116	4427
1943 Federal Surplus/Deficit	3440	2423	430	-583	-1072	-648	1008	1532	2604	2211	2726	4735	5053	4139
1944 Federal Surplus/Deficit	3560	1860	448	-823	-752	-607	-443	-2103	-1817	-1774	-3108	-1236	1970	2217
1945 Federal Surplus/Deficit	1265	451	483	-734	-582	-844	-2272	-1696	-1412	-1619	-2806	3193	5090	3091
1946 Federal Surplus/Deficit	1609	1020	258	-936	-807	-619	328	79	2931	2061	2981	4878	4941	4298
1947 Federal Surplus/Deficit	3479	1847	1183	-943	-890	2937	1742	2121	3094	896	1610	4660	5078	4350
1948 Federal Surplus/Deficit	2833	552	841	2023	30	1946	2290	77	1711	636	2866	4943	5470	4164
1949 Federal Surplus/Deficit	3752	3574	1448	-348	-851	-449	-198	-392	3222	1392	2960	4805	4962	1844
1950 Federal Surplus/Deficit	1275	-579	-130	-684	-906	-794	250	2485	3535	2427	2645	4591	4386	3886
1951 Federal Surplus/Deficit	3377	2635	1153	448	445	3624	2010	2203	2715	2475	2860	4854	4966	4195
1952 Federal Surplus/Deficit	3765	2643	1100	1420	-801	1798	1528	957	1403	2730	3059	4885	5159	3823
1953 Federal Surplus/Deficit	2818	505	540	-665	-500	-802	-534	1370	-334	-606	819	4367	4942	4122
1954 Federal Surplus/Deficit	3453	2198	907	-431	-808	738	475	2217	1809	1690	1908	4766	4565	3730
1955 Federal Surplus/Deficit	4103	3924	3708	-161	-464	1067	-397	-1801	-1584	-532	352	2961	4466	3487
1956 Federal Surplus/Deficit	3787	3602	456	33	-70	3437	1963	1331	3438	2603	2337	4810	4456	4110
1957 Federal Surplus/Deficit	3725	2498	954	-143	-907	252	618	-987	1305	2292	2453	4913	4831	3768
1958 Federal Surplus/Deficit	1904	631	590	-657	-691	-830	-439	994	1857	641	2592	4867	5029	3660
1959 Federal Surplus/Deficit	1899	1345	794	-720	-551	2371	1996	2401	1931	1726	1598	4384	4768	4035
1960 Federal Surplus/Deficit	3691	2262	3823	2550	1148	3201	2032	-882	1271	2012	2984	3843	4935	3955
1961 Federal Surplus/Deficit	2955	204	878	-583	-968	92	781	1707	2105	1917	1248	4576	4624	3954
1962 Federal Surplus/Deficit	2456	1760	377	-615	-645	-750	472	-670	-1007	2351	2792	4325	5002	4197
1963 Federal Surplus/Deficit	3043	1758	536	65	-320	2433	1654	61	-635	-250	-169	4283	5155	4153
1964 Federal Surplus/Deficit	3564	1982	1184	-952	-754	-416	142	-630	-1375	786	1365	3765	4653	3780
1965 Federal Surplus/Deficit	3764	3245	1760	699	-683	3368	1970	2834	3136	1637	3014	4782	5077	4008
1966 Federal Surplus/Deficit	3689	2756	1132	46	-731	671	1542	-866	-1206	2572	1476	3474	4670	4140
1967 Federal Surplus/Deficit	3680	1309	455	-705	-769	-381	2079	2841	735	365	-407	3928	4631	4078
1968 Federal Surplus/Deficit	3811	1946	1208	-414	-926	-102	994	1586	1589	-1671	-840	3298	4897	4339
1969 Federal Surplus/Deficit	3817	2981	2466	738	52	1900	2151	2338	1110	2599	2778	4855	4846	4288
1970 Federal Surplus/Deficit	3034	1053	751	-492	-599	-526	518	559	143	-804	291	4269	5062	3857
1971 Federal Surplus/Deficit	1702	290	271	-657	-344	-693	1663	2338	2544	2258	3050	4854	4660	4021
1972 Federal Surplus/Deficit	4128	3692	1407	-246	-811	327	1985	2722	2881	1635	2187	4825	4952	3741
1973 Federal Surplus/Deficit	4122	3793	2053	-139	-820	731	1292	-1820	-1364	-1894	-2288	1274	3302	2847
1974 Federal Surplus/Deficit	1874	-114	-173	-758	-1143	2012	1685	2257	3534	2352	2737	4560	4889	3444
1975 Federal Surplus/Deficit	4031	3734	1274	-950	-703	-549	1044	629	2374	70	1096	4377	4923	3915
1976 Federal Surplus/Deficit	2367	1962	1201	658	416	4226	1937	2335	1956	2735	2960	4892	5005	3926
1977 Federal Surplus/Deficit	3950	3910	4431	-310	-744	-540	-216	-2229	-2193	-2006	-3284	-708	1679	1568
1978 Federal Surplus/Deficit	1565	884	44	-1067	-1155	-518	569	537	2180	2262	1178	4107	4808	4349
-Ranked Averages-														
Top Ten Percent	3403	2617	2081	1019	276	3264	2020	1766	2037	2292	2919	4645	4966	4074
Middle Eighty Percent	2784	1667	908	-401	-709	331	661	373	926	821	1301	4027	4579	3693
Bottom Ten Percent	2731	853	336	-652	-528	-664	-1666	-1932	-1196	-1269	-2483	-1115	3247	2665

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

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

For OY 2007 – 2016

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7833	2555	5222	4465	3964	1734	1233	454	2339	2638	1230	-336	7640	6867
1930 Regional Surplus/Deficit	5285	3037	4817	4714	4000	1957	-515	1385	2138	3219	1698	-578	5918	7144
1931 Regional Surplus/Deficit	5918	3946	4321	4769	3861	1327	-426	251	1719	3676	933	-989	5148	6421
1932 Regional Surplus/Deficit	4569	3524	4648	4075	3437	1388	-501	-46	3705	7499	8080	7449	8588	9044
1933 Regional Surplus/Deficit	5606	6101	5899	4731	3350	2750	4837	4426	3445	5032	5468	5809	7783	8547
1934 Regional Surplus/Deficit	8084	7436	6436	6083	5935	8715	4837	6368	7415	7784	7990	6877	5265	7559
1935 Regional Surplus/Deficit	4800	3182	4077	4285	3331	1500	4080	6131	2116	4663	5800	5288	8062	8934
1936 Regional Surplus/Deficit	7258	3625	5232	4511	3863	1760	-247	516	1904	3732	7428	7710	8437	7116
1937 Regional Surplus/Deficit	6216	4079	5022	4578	3982	1876	-616	431	1612	3024	1311	-138	6076	6044
1938 Regional Surplus/Deficit	5738	3600	4787	4847	3444	2101	4318	2846	5900	6768	7338	7631	8756	8825
1939 Regional Surplus/Deficit	5002	3403	5459	4934	3813	1923	2432	710	3241	4703	5318	6781	5589	7662
1940 Regional Surplus/Deficit	6590	4177	4816	5090	3831	2149	1907	1928	6117	5390	7004	5625	6523	6881
1941 Regional Surplus/Deficit	4658	2503	4085	4635	3312	2204	2099	725	1717	3072	1052	2476	5552	5843
1942 Regional Surplus/Deficit	4192	2690	5379	4247	2915	4530	4351	2791	1019	3816	4704	5407	8963	9654
1943 Regional Surplus/Deficit	7667	6135	5106	4691	3379	1956	3813	5290	7062	8097	8146	7501	8729	9487
1944 Regional Surplus/Deficit	7925	5342	5170	4535	3861	1922	1512	566	911	2593	310	-818	3349	5080
1945 Regional Surplus/Deficit	3765	2094	4044	3803	3583	1473	-461	710	1399	2539	824	5244	8393	7504
1946 Regional Surplus/Deficit	5177	3402	4558	4404	3712	2015	3190	3441	7434	7592	8327	7837	8647	9518
1947 Regional Surplus/Deficit	7888	5371	6151	4562	3637	6589	4941	6229	7677	6048	6372	7518	8744	9489
1948 Regional Surplus/Deficit	6822	3359	5697	8434	4896	5230	5694	3468	5840	5776	8212	7959	8610	9405
1949 Regional Surplus/Deficit	8267	7917	6454	5201	3652	2139	2219	2850	7849	6589	8311	7825	8670	5933
1950 Regional Surplus/Deficit	5043	2694	4075	4625	3589	1736	2952	6574	8315	8173	7918	7004	7711	9183
1951 Regional Surplus/Deficit	7759	6543	6154	6364	5715	7594	5461	6547	7336	8278	8120	7549	8659	9506
1952 Regional Surplus/Deficit	8231	6488	6031	7661	3895	5050	4714	4718	5452	8630	8528	7762	9033	8672
1953 Regional Surplus/Deficit	6878	3391	5284	4508	4043	1615	2090	5273	3300	4207	5457	7107	8596	9500
1954 Regional Surplus/Deficit	7817	5861	5785	5045	3684	3739	3296	6253	5904	7187	6988	7417	7735	8869
1955 Regional Surplus/Deficit	8962	8616	9425	5396	4091	4086	2029	1052	1145	4172	4601	4695	7750	8302
1956 Regional Surplus/Deficit	8242	7976	5249	5766	4774	7298	5364	5058	8057	8305	7310	7662	7820	9470
1957 Regional Surplus/Deficit	8287	6358	5883	5491	3619	3083	3486	2224	5359	7883	7463	8100	8376	8436
1958 Regional Surplus/Deficit	5601	3550	5328	4715	3783	1758	2004	4643	6007	5726	7939	7742	8730	8298
1959 Regional Surplus/Deficit	5530	4525	5561	4618	4026	5727	5339	6479	6081	7412	6343	6899	8231	9150
1960 Regional Surplus/Deficit	8062	5812	9548	9069	6367	6807	5185	2223	5335	7824	8313	6166	8590	8841
1961 Regional Surplus/Deficit	6927	2888	5694	4783	3498	2702	3581	5539	6322	7379	5864	6989	7587	8667
1962 Regional Surplus/Deficit	6273	5171	4990	4769	3889	1600	3115	2400	1801	8255	8025	6963	8631	9181
1963 Regional Surplus/Deficit	7154	5108	5268	5713	4354	5888	4806	3529	2583	4636	4201	7284	8956	9171
1964 Regional Surplus/Deficit	7834	5421	6063	4504	3790	2187	2782	2374	1798	6088	6036	5884	8180	8865
1965 Regional Surplus/Deficit	8283	7421	6942	6502	3879	7149	5374	7184	7818	7086	8662	7542	8831	9020
1966 Regional Surplus/Deficit	8102	6631	6019	5760	3796	3564	4722	2171	2145	8446	6344	5589	7975	9124
1967 Regional Surplus/Deficit	8071	4537	5089	4692	3760	2178	5352	7054	4634	5420	3588	6266	8108	9299
1968 Regional Surplus/Deficit	8321	5438	6142	5087	3560	2580	4024	5558	5845	2649	3028	5383	8566	9614
1969 Regional Surplus/Deficit	8213	7076	7828	6752	4975	5197	5516	6443	5069	8401	8053	7766	8448	9383
1970 Regional Surplus/Deficit	7162	4137	5584	4996	3964	2009	3401	4136	3927	3777	4392	6993	8890	8830
1971 Regional Surplus/Deficit	5327	2500	4941	4759	4354	1878	4818	6517	7025	7760	8232	7630	8183	9398
1972 Regional Surplus/Deficit	8951	8276	6502	5398	3968	3246	5354	6965	7546	7128	7193	7464	8137	8820
1973 Regional Surplus/Deficit	8914	8317	7289	5396	3872	3772	4455	946	1874	2197	1598	2269	5233	6400
1974 Regional Surplus/Deficit	4967	2090	3625	4305	3299	5375	5070	6590	8375	7861	7833	6708	8177	8471
1975 Regional Surplus/Deficit	8752	8303	6301	4466	3879	2115	4156	4081	6862	5047	5714	7057	8597	9205
1976 Regional Surplus/Deficit	6259	5614	6188	6597	5503	8434	5448	6458	6350	8733	8256	7771	8768	9103
1977 Regional Surplus/Deficit	8730	8682	10342	5147	3826	1923	1934	442	659	2170	27	-443	3188	4646
1978 Regional Surplus/Deficit	3838	2633	3750	3525	2988	2081	3420	3984	6490	7589	6080	7059	8305	9724
-Ranked Averages-														
Top Ten Percent	7715	6493	7332	7057	5288	7036	5397	5771	6382	8064	8281	7359	8659	9170
Middle Eighty Percent	6829	4954	5605	4987	3826	3129	3473	3817	4799	5919	6031	6390	7952	8543
Bottom Ten Percent	6000	3781	4683	4646	3803	1857	411	672	1620	3117	1061	-9.3	5208	6107

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7782	2551	5655	4434	3847	1870	1092	383	2385	2683	1251	641	9267	6912
1930 Regional Surplus/Deficit	5240	3064	5249	4707	3884	2112	-673	1316	2184	3266	1722	398	7553	7170
1931 Regional Surplus/Deficit	5871	3971	4755	4762	3745	1463	-584	180	1764	3724	953	-12	6780	6452
1932 Regional Surplus/Deficit	4522	3545	5080	4068	3321	1524	-659	-131	3755	7548	8104	8437	10211	9042
1933 Regional Surplus/Deficit	5566	6122	6330	4725	3213	2909	4697	4360	3489	5078	5491	6805	9422	8481
1934 Regional Surplus/Deficit	8031	7452	6869	6076	5819	8853	4704	6304	7460	7840	8017	7863	6897	7582
1935 Regional Surplus/Deficit	4754	3206	4510	4278	3194	1636	3939	6063	2159	4709	5825	6288	9689	8935
1936 Regional Surplus/Deficit	7209	3653	5664	4504	3746	1915	-391	445	1952	3777	7452	8696	10059	7157
1937 Regional Surplus/Deficit	6170	4104	5455	4571	3865	2030	-774	359	1658	3069	1332	877	7710	6108
1938 Regional Surplus/Deficit	5693	3624	5219	4840	3328	2257	4178	2779	5949	6819	7361	8616	10377	8836
1939 Regional Surplus/Deficit	4934	3430	5891	4927	3697	2078	2290	640	3290	4751	5343	7778	7226	7687
1940 Regional Surplus/Deficit	6542	4202	5248	5083	3715	2305	1765	1861	6167	5441	7027	6624	8158	6927
1941 Regional Surplus/Deficit	4589	2531	4518	4628	3196	2362	1958	654	1764	3117	1073	3482	7189	5902
1942 Regional Surplus/Deficit	4123	2715	5812	4241	2800	4696	4212	2721	1064	3865	4729	6406	10583	9626
1943 Regional Surplus/Deficit	7616	6156	5539	4684	3263	2112	3674	5226	7111	8153	8174	8488	10352	9410
1944 Regional Surplus/Deficit	7873	5368	5604	4527	3745	2078	1371	496	956	2639	331	159	4959	5140
1945 Regional Surplus/Deficit	3697	2119	4476	3796	3466	1609	-619	641	1444	2584	846	6247	10013	7543
1946 Regional Surplus/Deficit	5134	3431	4991	4374	3596	2171	3049	3377	7479	7641	8351	8821	10269	9501
1947 Regional Surplus/Deficit	7837	5396	6584	4532	3523	6755	4803	6165	7721	6096	6398	8505	10364	9466
1948 Regional Surplus/Deficit	6777	3391	6130	8425	4782	5394	5556	3402	5887	5824	8235	8944	10226	9327
1949 Regional Surplus/Deficit	8213	7928	6888	5195	3537	2297	2078	2783	7895	6639	8336	8812	10292	5839
1950 Regional Surplus/Deficit	4975	2690	4486	4619	3473	1872	2811	6508	8356	8225	7942	7992	9351	9110
1951 Regional Surplus/Deficit	7709	6565	6588	6358	5602	7756	5325	6487	7385	8329	8144	8534	10280	9427
1952 Regional Surplus/Deficit	8178	6510	6465	7653	3780	5216	4575	4654	5503	8682	8553	8748	10652	8684
1953 Regional Surplus/Deficit	6832	3423	5717	4502	3927	1751	1950	5210	3348	4251	5479	8098	10223	9424
1954 Regional Surplus/Deficit	7767	5884	6218	5039	3568	3900	3157	6187	5951	7238	7014	8402	9367	8800
1955 Regional Surplus/Deficit	8903	8620	9857	5391	3977	4247	1887	982	1188	4220	4621	5695	9389	8239
1956 Regional Surplus/Deficit	8188	7986	5683	5760	4660	7461	5228	4994	8100	8355	7343	8649	9459	9393
1957 Regional Surplus/Deficit	8234	6380	6317	5485	3503	3246	3345	2157	5408	7937	7486	9085	10006	8449
1958 Regional Surplus/Deficit	5558	3578	5761	4710	3667	1895	1865	4579	6055	5773	7964	8727	10353	8313
1959 Regional Surplus/Deficit	5486	4550	5994	4613	3912	5892	5203	6413	6128	7461	6365	7888	9860	9075
1960 Regional Surplus/Deficit	8009	5835	9979	9060	6251	6969	5044	2157	5385	7880	8334	7161	10213	8848
1961 Regional Surplus/Deficit	6881	2919	6126	4777	3383	2860	3440	5474	6370	7427	5889	7976	9219	8667
1962 Regional Surplus/Deficit	6226	5194	5422	4763	3772	1754	2975	2332	1848	8306	8051	7953	10252	9170
1963 Regional Surplus/Deficit	7106	5134	5701	5708	4240	6053	4665	3466	2634	4684	4224	8277	10575	9163
1964 Regional Surplus/Deficit	7784	5446	6496	4474	3674	2342	2642	2307	1844	6139	6058	6880	9814	8797
1965 Regional Surplus/Deficit	8230	7436	7375	6495	3764	7315	5241	7122	7864	7136	8688	8527	10453	9029
1966 Regional Surplus/Deficit	8050	6652	6453	5754	3682	3727	4582	2102	2193	8495	6365	6589	9599	9118
1967 Regional Surplus/Deficit	8018	4564	5521	4686	3644	2335	5213	6987	4680	5471	3610	7259	9742	9224
1968 Regional Surplus/Deficit	8267	5464	6574	5082	3445	2741	3885	5493	5894	2693	3052	6381	10190	9534
1969 Regional Surplus/Deficit	8159	7093	8261	6745	4861	5361	5381	6379	5123	8454	8079	8752	10073	9365
1970 Regional Surplus/Deficit	7114	4164	6016	4990	3848	2165	3263	4075	3974	3822	4414	7984	10513	8839
1971 Regional Surplus/Deficit	5284	2532	5375	4754	4238	2035	4683	6459	7075	7811	8255	8616	9817	9324
1972 Regional Surplus/Deficit	8892	8286	6935	5392	3854	3409	5217	6903	7599	7185	7214	8450	9766	8751
1973 Regional Surplus/Deficit	8854	8324	7721	5389	3756	3936	4317	876	1920	2240	1618	3276	6869	6442
1974 Regional Surplus/Deficit	4922	2118	4037	4299	3162	5542	4939	6531	8417	7915	7862	7685	9808	8411
1975 Regional Surplus/Deficit	8696	8312	6736	4435	3764	2273	4017	4016	6911	5098	5738	8048	10224	9136
1976 Regional Surplus/Deficit	6215	5639	6622	6590	5389	8588	5312	6393	6401	8785	8278	8756	10390	9031
1977 Regional Surplus/Deficit	8675	8685	10775	5142	3711	2079	1793	371	685	2198	29	569	4797	4553
1978 Regional Surplus/Deficit	3794	2654	4182	3494	2852	2239	3280	3918	6540	7635	6105	8052	9929	9642
-Ranked Averages-														
Top Ten Percent	7664	6514	7765	7050	5173	7198	5261	5707	6432	8117	8305	8346	10282	9140
Middle Eighty Percent	6778	4975	6036	4977	3708	3284	3333	3750	4846	5968	6055	7381	9579	8513
Bottom Ten Percent	5949	3807	5116	4639	3687	2009	260	601	1665	3163	1082	981	6838	6154

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7583	2441	5720	4150	3507	1221	338	-359	2002	1338	31	-963	8308	6733
1930 Regional Surplus/Deficit	5067	3089	5314	4431	3544	1468	-1433	575	1801	1918	497	-1205	6659	6916
1931 Regional Surplus/Deficit	5690	3989	4821	4485	3405	813	-1344	-561	1381	2375	-265	-1616	5849	6122
1932 Regional Surplus/Deficit	4344	3557	5145	3792	2981	874	-1419	-876	3372	6181	6791	6857	9111	8697
1933 Regional Surplus/Deficit	5396	6120	6394	4448	2866	2267	3943	3621	3105	3723	4246	5256	8325	7984
1934 Regional Surplus/Deficit	7831	7423	6934	5800	5478	8204	3952	5565	7077	6427	6703	6286	5931	7234
1935 Regional Surplus/Deficit	4588	3239	4575	4002	2847	987	3185	5323	1775	3356	4580	4754	8697	8581
1936 Regional Surplus/Deficit	7023	3688	5729	4227	3406	1271	-1146	-296	1569	2427	6136	7111	9049	6939
1937 Regional Surplus/Deficit	5994	4129	5519	4295	3526	1387	-1534	-382	1275	1723	112	-580	6824	5960
1938 Regional Surplus/Deficit	5521	3656	5284	4564	2988	1612	3425	2038	5566	5456	6103	7033	9275	8530
1939 Regional Surplus/Deficit	4652	3457	5956	4650	3357	1434	1535	-101	2907	3397	4097	6226	6353	7416
1940 Regional Surplus/Deficit	6361	4224	5313	4806	3375	1662	1010	1120	5784	4084	5770	5081	7244	6722
1941 Regional Surplus/Deficit	4307	2569	4583	4351	2856	1719	1203	-88	1381	1768	-148	1985	6292	5749
1942 Regional Surplus/Deficit	3841	2744	5876	3964	2460	4055	3458	1979	680	2513	3487	4866	9482	9226
1943 Regional Surplus/Deficit	7421	6153	5604	4408	2923	1468	2919	4484	6727	6739	6860	6905	9251	8907
1944 Regional Surplus/Deficit	7676	5382	5669	4251	3405	1433	617	-246	572	1296	-884	-1445	4113	5014
1945 Regional Surplus/Deficit	3415	2150	4541	3520	3126	959	-1378	-101	1061	1240	-372	4712	8911	7335
1946 Regional Surplus/Deficit	4966	3457	5055	4090	3256	1526	2294	2636	7095	6274	7084	7220	9169	9122
1947 Regional Surplus/Deficit	7641	5408	6649	4248	3182	6113	4049	5424	7337	4737	5148	6908	9333	9076
1948 Regional Surplus/Deficit	6599	3426	6194	8148	4442	4752	4801	2660	5504	4467	6970	7342	9140	8825
1949 Regional Surplus/Deficit	8007	7879	6953	4918	3196	1653	1324	2042	7511	5276	7022	7211	9191	5582
1950 Regional Surplus/Deficit	4693	2568	4545	4342	3133	1223	2057	5767	7972	6855	6680	6417	8255	8609
1951 Regional Surplus/Deficit	7520	6562	6652	6081	5261	7113	4572	5748	7001	6913	6830	6932	9178	8925
1952 Regional Surplus/Deficit	7971	6504	6530	7376	3440	4575	3821	3913	5121	7265	7238	7147	9550	8392
1953 Regional Surplus/Deficit	6653	3460	5782	4225	3587	1102	1194	4470	2964	2901	4235	6531	9124	8922
1954 Regional Surplus/Deficit	7571	5890	6282	4762	3228	3258	2402	5447	5568	5875	5759	6819	8270	8300
1955 Regional Surplus/Deficit	8625	8536	9922	5115	3637	3606	1131	241	806	2869	3380	4166	8293	7743
1956 Regional Surplus/Deficit	7982	7933	5748	5483	4320	6818	4475	4253	7715	6940	6030	7048	8363	8892
1957 Regional Surplus/Deficit	8029	6379	6381	5208	3163	2604	2591	1415	5025	6569	6226	7483	8907	8149
1958 Regional Surplus/Deficit	5387	3608	5825	4433	3327	1245	1110	3838	5672	4415	6702	7125	9253	8026
1959 Regional Surplus/Deficit	5316	4572	6058	4336	3572	5250	4449	5673	5745	6098	5116	6319	8761	8574
1960 Regional Surplus/Deficit	7806	5838	10044	8783	5910	6327	4290	1416	5002	6467	7020	5611	9113	8508
1961 Regional Surplus/Deficit	6701	2957	6191	4501	3043	2217	2686	4733	5987	6062	4644	6401	8123	8320
1962 Regional Surplus/Deficit	6045	5200	5487	4486	3432	1109	2221	1590	1464	6938	6737	6386	9232	8806
1963 Regional Surplus/Deficit	6922	5148	5766	5431	3900	5411	3911	2724	2252	3333	2991	6712	9502	8809
1964 Regional Surplus/Deficit	7583	5455	6561	4190	3334	1699	1888	1566	1461	4780	4810	5330	8717	8298
1965 Regional Surplus/Deficit	8023	7405	7440	6218	3424	6672	4488	6380	7480	5772	7373	6931	9351	8721
1966 Regional Surplus/Deficit	7848	6644	6517	5477	3342	3085	3828	1362	1809	7125	5117	5049	8600	8745
1967 Regional Surplus/Deficit	7811	4579	5586	4409	3304	1692	4459	6247	4297	4117	2379	5702	8644	8723
1968 Regional Surplus/Deficit	8058	5475	6640	4805	3106	2099	3131	4752	5511	1349	1787	4843	9090	9031
1969 Regional Surplus/Deficit	7949	7075	8326	6468	4521	4720	4627	5638	4741	7040	6765	7151	8973	8985
1970 Regional Surplus/Deficit	6927	4185	6081	4713	3509	1522	2509	3334	3591	2473	3178	6417	9411	8549
1971 Regional Surplus/Deficit	5114	2563	5439	4477	3897	1390	3928	5719	6692	6441	6988	7015	8719	8823
1972 Regional Surplus/Deficit	8661	8226	7000	5114	3514	2766	4462	6163	7217	5772	5957	6849	8725	8252
1973 Regional Surplus/Deficit	8582	8256	7785	5112	3416	3294	3563	135	1537	897	398	1783	5979	6233
1974 Regional Surplus/Deficit	4748	2149	4096	4022	2815	4900	4187	5792	8032	6500	6548	6081	8751	7915
1975 Regional Surplus/Deficit	8475	8249	6801	4151	3424	1629	3263	3276	6528	3744	4492	6480	9124	8636
1976 Regional Surplus/Deficit	6044	5651	6686	6312	5049	7943	4559	5653	6017	7370	7012	7154	9288	8531
1977 Regional Surplus/Deficit	8398	8566	10840	4866	3371	1435	1038	-371	297	778	-1291	-936	3694	4046
1978 Regional Surplus/Deficit	3621	2675	4247	3210	2505	1594	2525	3176	6158	6266	4860	6491	8931	9139
-Ranked Averages-														
Top Ten Percent	7468	6506	7830	6772	4833	6555	4507	4967	6048	6712	7000	6756	9181	8734
Middle Eighty Percent	6573	4970	6101	4700	3368	2639	2578	3009	4462	4600	4790	5812	8520	8121
Bottom Ten Percent	5747	3832	5181	4363	3347	1364	-498	-140	1282	1816	-138	-572	5947	5952

Table A-30: Regional Surplus/Deficit - 50 Water Year
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7302	2271	5150	3728	2789	464	-106	-773	1608	1449	611	517	8544	6274
1930 Regional Surplus/Deficit	4906	2861	4744	4026	2826	726	-1888	163	1408	2029	1076	275	6902	6453
1931 Regional Surplus/Deficit	5448	3716	4252	4080	2687	56	-1799	-975	987	2487	315	-136	6092	5662
1932 Regional Surplus/Deficit	3990	3079	4576	3388	2263	118	-1874	-1300	2979	6294	7375	8343	9348	8230
1933 Regional Surplus/Deficit	5225	5734	5824	4043	2132	1528	3501	3213	2710	3835	4827	6748	8569	7526
1934 Regional Surplus/Deficit	7521	6963	6365	5396	4760	7449	3513	5157	6684	6543	7287	7772	6176	6772
1935 Regional Surplus/Deficit	4288	2841	4006	3597	2113	230	2743	4914	1380	3468	5163	6248	8935	8115
1936 Regional Surplus/Deficit	6701	3373	5160	3823	2688	530	-1592	-710	1176	2538	6715	8596	9286	6480
1937 Regional Surplus/Deficit	5764	3876	4950	3890	2808	645	-1989	-795	882	1834	691	915	7065	5505
1938 Regional Surplus/Deficit	5236	3278	4715	4160	2270	869	2983	1627	5174	5569	6685	8517	9510	8065
1939 Regional Surplus/Deficit	4451	3306	5386	4245	2639	691	1092	-514	2513	3507	4677	7718	6599	6953
1940 Regional Surplus/Deficit	6033	3817	4744	4401	2656	920	566	708	5392	4197	6351	6573	7488	6263
1941 Regional Surplus/Deficit	3851	2247	4013	3945	2137	979	760	-501	988	1877	432	3480	6536	5289
1942 Regional Surplus/Deficit	3590	2560	5306	3559	1740	3318	3017	1566	286	2624	4067	6357	9717	8756
1943 Regional Surplus/Deficit	7139	5797	5035	4003	2204	725	2476	4073	6333	6853	7442	8390	9487	8440
1944 Regional Surplus/Deficit	7394	5148	5099	3846	2687	690	174	-660	178	1406	-305	35	4359	4555
1945 Regional Surplus/Deficit	3184	1941	3972	3115	2408	203	-1834	-514	667	1350	207	6203	9146	6874
1946 Regional Surplus/Deficit	4833	3238	4485	3667	2538	782	1849	2227	6700	6387	7666	8704	9405	8653
1947 Regional Surplus/Deficit	7358	5158	6079	3825	2463	5375	3606	5012	6942	4850	5732	8393	9568	8607
1948 Regional Surplus/Deficit	6379	3321	5625	7741	3725	4015	4358	2248	5111	4581	7553	8826	9372	8358
1949 Regional Surplus/Deficit	7696	7404	6385	4514	2477	912	881	1631	7114	5387	7605	8695	9427	5127
1950 Regional Surplus/Deficit	4466	2009	3960	3938	2414	466	1614	5356	7574	6968	7263	7903	8499	8145
1951 Regional Surplus/Deficit	7258	6226	6083	5676	4543	6373	4131	5339	6607	7025	7413	8417	9414	8458
1952 Regional Surplus/Deficit	7656	6171	5962	6969	2722	3838	3378	3502	4730	7376	7819	8631	9784	7927
1953 Regional Surplus/Deficit	6438	3362	5212	3820	2868	345	750	4061	2570	3011	4816	8019	9362	8456
1954 Regional Surplus/Deficit	7296	5609	5713	4358	2510	2520	1960	5036	5176	5988	6341	8304	8512	7839
1955 Regional Surplus/Deficit	8174	7981	9352	4711	2921	2869	687	-172	412	2980	3958	5659	8538	7285
1956 Regional Surplus/Deficit	7661	7434	5179	5079	3602	6079	4034	3842	7317	7052	6616	8533	8607	8426
1957 Regional Surplus/Deficit	7720	6067	5811	4803	2444	1866	2149	1002	4631	6683	6808	8967	9146	7684
1958 Regional Surplus/Deficit	5247	3481	5256	4029	2609	488	668	3428	5280	4527	7284	8609	9489	7561
1959 Regional Surplus/Deficit	5178	4389	5488	3931	2854	4513	4008	5263	5352	6212	5699	7807	9001	8109
1960 Regional Surplus/Deficit	7496	5549	9473	8375	5190	5590	3848	1006	4611	6584	7602	7103	9349	8043
1961 Regional Surplus/Deficit	6465	2825	5621	4096	2326	1477	2244	4323	5595	6177	5230	7888	8365	7854
1962 Regional Surplus/Deficit	5756	4812	4917	4082	2713	365	1778	1177	1071	7052	7320	7875	9467	8338
1963 Regional Surplus/Deficit	6683	4894	5197	5025	3183	4674	3467	2313	1862	3444	3572	8201	9736	8341
1964 Regional Surplus/Deficit	7292	5192	5991	3767	2615	957	1446	1155	1067	4892	5392	6821	8958	7837
1965 Regional Surplus/Deficit	7712	6988	6871	5813	2706	5932	4047	5969	7084	5885	7954	8415	9586	8254
1966 Regional Surplus/Deficit	7548	6308	5947	5072	2624	2347	3386	950	1416	7237	5698	6543	8838	8278
1967 Regional Surplus/Deficit	7445	4230	5017	4004	2586	951	4017	5836	3905	4234	2964	7192	8886	8258
1968 Regional Surplus/Deficit	7733	5198	6070	4400	2388	1360	2689	4342	5120	1459	2371	6335	9327	8563
1969 Regional Surplus/Deficit	7623	6700	7756	6063	3803	3984	4185	5228	4350	7154	7348	8636	9212	8516
1970 Regional Surplus/Deficit	6694	3996	5511	4308	2791	780	2066	2925	3197	2584	3762	7905	9646	8082
1971 Regional Surplus/Deficit	4993	2469	4869	4073	3178	646	3485	5311	6298	6554	7569	8500	8960	8358
1972 Regional Surplus/Deficit	8289	7730	6430	4708	2795	2028	4020	5753	6824	5889	6540	8334	8963	7791
1973 Regional Surplus/Deficit	8130	7736	7215	4706	2698	2556	3121	-279	1144	1007	978	3277	6224	5773
1974 Regional Surplus/Deficit	4519	1901	3511	3617	2081	4164	3747	5384	7633	6614	7131	7561	8990	7458
1975 Regional Surplus/Deficit	8124	7745	6233	3729	2705	886	2820	2866	6136	3858	5075	7968	9361	8173
1976 Regional Surplus/Deficit	5888	5424	6116	5906	4331	7196	4117	5243	5624	7483	7593	8638	9523	8068
1977 Regional Surplus/Deficit	7950	7954	10270	4461	2653	693	595	-784	-109	879	-721	565	3922	3569
1978 Regional Surplus/Deficit	3278	2241	3678	2788	1771	850	2082	2763	5767	6378	5445	7981	9167	8668
-Ranked Averages-														
Top Ten Percent	7195	6177	7260	6366	4115	5815	4066	4557	5655	6826	7582	8242	9417	8268
Middle Eighty Percent	6292	4645	5531	4292	2648	1896	2135	2598	4069	4712	5372	7299	8758	7657
Bottom Ten Percent	5473	3570	4612	3958	2629	619	-949	-554	889	1927	442	914	6191	5493

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2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6924	1904	4907	3410	2451	-0.5	-590	-1217	1170	642	-322	-828	7076	5812
1930 Regional Surplus/Deficit	4530	2493	4502	3718	2488	270	-2381	-281	970	1222	143	-1071	5439	5990
1931 Regional Surplus/Deficit	5073	3347	4010	3772	2349	-408	-2292	-1419	550	1681	-618	-1481	4630	5199
1932 Regional Surplus/Deficit	3616	2710	4334	3081	1924	-347	-2366	-1750	2540	5489	6445	7001	7880	7764
1933 Regional Surplus/Deficit	4852	5363	5581	3735	1784	1074	3017	2773	2271	3030	3896	5411	7106	7067
1934 Regional Surplus/Deficit	7142	6589	6122	5089	4421	6985	3031	4717	6246	5740	6357	6431	4714	6310
1935 Regional Surplus/Deficit	3913	2472	3764	3289	1765	-234	2259	4473	941	2662	4233	4911	7467	7650
1936 Regional Surplus/Deficit	6324	3005	4918	3516	2350	74	-2078	-1154	738	1731	5780	7254	7818	6019
1937 Regional Surplus/Deficit	5390	3507	4707	3583	2470	189	-2481	-1239	445	1028	-241	-420	5600	5044
1938 Regional Surplus/Deficit	4861	2908	4472	3852	1931	412	2500	1183	4737	4763	5753	7175	8039	7600
1939 Regional Surplus/Deficit	4076	2935	5143	3937	2300	234	607	-958	2075	2700	3744	6380	5138	6489
1940 Regional Surplus/Deficit	5657	3447	4501	4094	2318	465	80	264	4955	3391	5419	5235	6026	5801
1941 Regional Surplus/Deficit	3478	1880	3770	3637	1798	524	275	-946	550	1070	-500	2144	5072	4826
1942 Regional Surplus/Deficit	3216	2190	5062	3250	1401	2866	2533	1121	-153	1816	3134	5018	8247	8289
1943 Regional Surplus/Deficit	6762	5424	4792	3695	1865	268	1991	3629	5893	6049	6510	7048	8017	7973
1944 Regional Surplus/Deficit	7015	4777	4856	3538	2348	233	-311	-1105	-260	600	-1238	-1310	2898	4091
1945 Regional Surplus/Deficit	2810	1571	3729	2807	2070	-262	-2326	-959	229	544	-725	4865	7676	6411
1946 Regional Surplus/Deficit	4458	2869	4242	3349	2199	324	1363	1784	6261	5582	6734	7361	7937	8186
1947 Regional Surplus/Deficit	6980	4788	5835	3507	2124	4920	3122	4569	6504	4043	4802	7051	8098	8139
1948 Regional Surplus/Deficit	6004	2953	5381	7433	3387	3562	3873	1803	4673	3776	6621	7483	7900	7893
1949 Regional Surplus/Deficit	7316	7027	6142	4205	2139	456	396	1187	6675	4580	6674	7353	7958	4666
1950 Regional Surplus/Deficit	4092	1641	3709	3630	2075	1.2	1129	4913	7134	6162	6331	6562	7037	7681
1951 Regional Surplus/Deficit	6879	5854	5840	5368	4203	5918	3648	4898	6169	6219	6482	7074	7944	7992
1952 Regional Surplus/Deficit	7276	5799	5720	6661	2384	3385	2894	3059	4293	6570	6886	7289	8314	7462
1953 Regional Surplus/Deficit	6062	2994	4969	3513	2530	-119	263	3618	2132	2205	3884	6679	7895	7990
1954 Regional Surplus/Deficit	6918	5237	5470	4050	2172	2067	1475	4593	4739	5183	5408	6962	7048	7378
1955 Regional Surplus/Deficit	7793	7600	9110	4404	2583	2416	201	-616	-26	2174	3024	4321	7076	6828
1956 Regional Surplus/Deficit	7281	7057	4936	4771	3264	5624	3551	3398	6877	6247	5687	7191	7145	7961
1957 Regional Surplus/Deficit	7341	5695	5568	4494	2106	1411	1665	558	4192	5879	5875	7623	7680	7219
1958 Regional Surplus/Deficit	4872	3111	5012	3721	2270	24	184	2985	4843	3720	6352	7266	8021	7096
1959 Regional Surplus/Deficit	4804	4019	5245	3623	2516	4059	3525	4820	4914	5407	4768	6467	7534	7645
1960 Regional Surplus/Deficit	7116	5178	9231	8066	4851	5136	3364	563	4173	5783	6671	5765	7881	7578
1961 Regional Surplus/Deficit	6089	2457	5378	3788	1988	1023	1760	3880	5158	5373	4301	6547	6901	7388
1962 Regional Surplus/Deficit	5380	4442	4674	3774	2375	-92	1294	733	633	6249	6389	6535	7998	7872
1963 Regional Surplus/Deficit	6306	4525	4954	4717	2845	4221	2983	1868	1427	2639	2642	6861	8265	7875
1964 Regional Surplus/Deficit	6914	4821	5749	3449	2277	501	962	712	629	4084	4461	5482	7494	7376
1965 Regional Surplus/Deficit	7332	6612	6628	5504	2368	5477	3564	5525	6645	5080	7022	7072	8116	7788
1966 Regional Surplus/Deficit	7169	5935	5704	4763	2286	1894	2902	507	978	6432	4767	5206	7370	7813
1967 Regional Surplus/Deficit	7066	3862	4774	3697	2247	496	3533	5394	3468	3430	2035	5851	7421	7794
1968 Regional Surplus/Deficit	7353	4829	5828	4092	2049	906	2205	3898	4683	652	1443	4997	7859	8097
1969 Regional Surplus/Deficit	7243	6326	7513	5754	3465	3531	3702	4785	3913	6351	6418	7294	7744	8049
1970 Regional Surplus/Deficit	6318	3628	5269	3999	2453	324	1581	2482	2759	1777	2834	6564	8177	7616
1971 Regional Surplus/Deficit	4618	2100	4625	3764	2839	188	3001	4869	5859	5748	6637	7157	7495	7894
1972 Regional Surplus/Deficit	7907	7352	6186	4400	2456	1574	3535	5310	6388	5088	5608	6991	7496	7331
1973 Regional Surplus/Deficit	7748	7357	6971	4398	2359	2102	2636	-724	706	201	46	1941	4761	5311
1974 Regional Surplus/Deficit	4144	1534	3259	3308	1733	3710	3266	4944	7193	5809	6201	6216	7523	7001
1975 Regional Surplus/Deficit	7743	7367	5992	3411	2367	430	2336	2423	5698	3053	4144	6627	7893	7710
1976 Regional Surplus/Deficit	5512	5052	5873	5596	3993	6737	3634	4801	5186	6678	6661	7295	8053	7606
1977 Regional Surplus/Deficit	7570	7574	10029	4154	2315	236	110	-1229	-554	67	-1660	-765	2448	3096
1978 Regional Surplus/Deficit	2905	1871	3435	2470	1423	391	1596	2317	5330	5571	4516	6642	7698	8201
-Ranked Averages-														
Top Ten Percent	6816	5804	7017	6058	3776	5360	3582	4114	5217	6022	6651	6900	7948	7803
Middle Eighty Percent	5915	4274	5287	3982	2308	1439	1650	2154	3630	3906	4441	5959	7291	7193
Bottom Ten Percent	5097	3201	4369	3650	2290	162	-1438	-998	451	1120	-490	-428	4728	5030

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6496	1481	4487	3085	2122	-222	-824	-1452	941	788	-48	-1090	8247	5554
1930 Regional Surplus/Deficit	4105	2069	4082	3402	2159	54	-2620	-517	741	1368	417	-1332	6615	5732
1931 Regional Surplus/Deficit	4647	2923	3591	3455	2020	-630	-2531	-1654	321	1826	-344	-1743	5806	4941
1932 Regional Surplus/Deficit	3191	2285	3914	2764	1595	-569	-2605	-1989	2310	5635	6721	6743	9052	7503
1933 Regional Surplus/Deficit	4430	4937	5161	3418	1448	860	2784	2540	2041	3176	4171	5155	8281	6812
1934 Regional Surplus/Deficit	6714	6161	5702	4772	4091	6764	2800	4485	6018	5889	6633	6173	5891	6052
1935 Regional Surplus/Deficit	3489	2048	3345	2972	1429	-456	2026	4239	711	2808	4508	4656	8640	7390
1936 Regional Surplus/Deficit	5898	2581	4498	3199	2021	-141	-2313	-1389	509	1877	6052	6995	8989	5761
1937 Regional Surplus/Deficit	4965	3082	4287	3266	2141	-26	-2720	-1473	216	1174	33	-674	6774	4788
1938 Regional Surplus/Deficit	4437	2484	4052	3535	1603	196	2267	949	4508	4909	6028	6916	9210	7340
1939 Regional Surplus/Deficit	3652	2509	4723	3619	1971	18	373	-1194	1846	2846	4017	6124	6315	6230
1940 Regional Surplus/Deficit	5232	3023	4081	3777	1989	249	-154	29	4727	3537	5693	4979	7202	5543
1941 Regional Surplus/Deficit	3055	1457	3350	3319	1469	309	41	-1182	321	1215	-225	1891	6247	4568
1942 Regional Surplus/Deficit	2791	1765	4642	2933	1071	2652	2300	886	-383	1961	3408	4762	9418	8027
1943 Regional Surplus/Deficit	6335	4998	4373	3378	1535	52	1757	3394	5664	6197	6785	6789	9188	7712
1944 Regional Surplus/Deficit	6587	4352	4436	3221	2019	17	-545	-1340	-489	746	-964	-1572	4074	3832
1945 Regional Surplus/Deficit	2386	1146	3309	2490	1741	-484	-2565	-1195	0.1	690	-452	4608	8846	6153
1946 Regional Surplus/Deficit	4033	2444	3822	3025	1870	107	1128	1550	6032	5728	7008	7102	9109	7925
1947 Regional Surplus/Deficit	6553	4363	5415	3183	1795	4706	2889	4334	6274	4189	5078	6793	9269	7878
1948 Regional Surplus/Deficit	5579	2530	4961	7115	3058	3348	3640	1568	4444	3923	6896	7224	9069	7633
1949 Regional Surplus/Deficit	6888	6596	5723	3888	1809	241	162	953	6445	4724	6949	7094	9129	4410
1950 Regional Surplus/Deficit	3667	1217	3283	3313	1746	-220	896	4679	6904	6308	6606	6304	8212	7422
1951 Regional Surplus/Deficit	6451	5428	5420	5050	3874	5703	3415	4665	5940	6366	6757	6815	9114	7732
1952 Regional Surplus/Deficit	6848	5372	5300	6343	2055	3171	2661	2824	4066	6716	7160	7030	9484	7202
1953 Regional Surplus/Deficit	5637	2570	4549	3196	2202	-337	28	3384	1903	2350	4158	6422	9067	7730
1954 Regional Surplus/Deficit	6491	4811	5050	3733	1842	1853	1242	4359	4511	5330	5682	6704	8223	7121
1955 Regional Surplus/Deficit	7363	7167	8691	4088	2255	2203	-33	-851	-254	2319	3297	4066	8252	6573
1956 Regional Surplus/Deficit	6853	6626	4517	4454	2935	5409	3319	3164	6647	6394	5964	6932	8321	7702
1957 Regional Surplus/Deficit	6913	5269	5148	4177	1776	1197	1431	322	3962	6026	6149	7364	8854	6959
1958 Regional Surplus/Deficit	4448	2687	4592	3404	1941	-198	-50	2751	4614	3865	6626	7007	9192	6836
1959 Regional Surplus/Deficit	4379	3593	4825	3306	2187	3845	3293	4586	4685	5554	5043	6209	8708	7386
1960 Regional Surplus/Deficit	6688	4752	8811	7748	4521	4922	3131	328	3945	5933	6946	5509	9053	7318
1961 Regional Surplus/Deficit	5664	2034	4958	3472	1659	809	1527	3646	4929	5521	4578	6289	8075	7128
1962 Regional Surplus/Deficit	4955	4017	4254	3457	2046	-308	1061	497	404	6396	6664	6277	9168	7611
1963 Regional Surplus/Deficit	5880	4100	4534	4399	2516	4008	2749	1633	1199	2785	2918	6603	9435	7614
1964 Regional Surplus/Deficit	6487	4395	5329	3125	1948	286	729	478	400	4229	4735	5226	8668	7119
1965 Regional Surplus/Deficit	6904	6183	6208	5187	2039	5263	3332	5291	6415	5226	7297	6813	9286	7528
1966 Regional Surplus/Deficit	6741	5508	5283	4446	1957	1680	2668	272	749	6578	5041	4952	8542	7553
1967 Regional Surplus/Deficit	6639	3438	4354	3380	1918	281	3300	5160	3240	3578	2312	5594	8595	7535
1968 Regional Surplus/Deficit	6924	4405	5408	3775	1720	691	1971	3663	4455	798	1719	4741	9030	7836
1969 Regional Surplus/Deficit	6815	5898	7094	5437	3136	3318	3469	4551	3685	6500	6694	7035	8917	7788
1970 Regional Surplus/Deficit	5893	3204	4849	3682	2124	109	1347	2248	2530	1923	3110	6306	9348	7354
1971 Regional Surplus/Deficit	4193	1676	4204	3447	2510	-29	2767	4636	5630	5894	6912	6898	8669	7635
1972 Regional Surplus/Deficit	7476	6921	5766	4082	2126	1359	3302	5077	6160	5238	5883	6732	8668	7074
1973 Regional Surplus/Deficit	7318	6925	6551	4080	2030	1888	2403	-959	477	346	321	1687	5938	5053
1974 Regional Surplus/Deficit	3720	1110	2833	2991	1397	3497	3034	4712	6962	5957	6477	5954	8696	6746
1975 Regional Surplus/Deficit	7313	6935	5573	3086	2038	214	2102	2188	5470	3199	4419	6370	9064	7452
1976 Regional Surplus/Deficit	5086	4625	5453	5278	3663	6520	3401	4567	4956	6825	6935	7036	9224	7348
1977 Regional Surplus/Deficit	7142	7141	9610	3837	1986	20	-123	-1464	-787	209	-1391	-1014	3616	2836
1978 Regional Surplus/Deficit	2481	1446	3016	2145	1089	174	1362	2082	5102	5717	4792	6385	8869	7940
-Ranked Averages-														
Top Ten Percent	6389	5377	6597	5740	3447	5145	3350	3881	4988	6170	6926	6642	9119	7543
Middle Eighty Percent	5488	3848	4867	3664	1979	1223	1416	1920	3401	4053	4716	5702	8464	6933
Bottom Ten Percent	4672	2776	3949	3333	1961	-55	-1675	-1233	222	1266	-216	-686	5903	4772

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6247	1257	4271	2809	1845	-607	-1201	-1811	640	686	-570	-1710	6705	5143
1930 Regional Surplus/Deficit	3866	1838	3866	3148	1883	-312	-3012	-873	440	1267	-105	-1953	5079	5318
1931 Regional Surplus/Deficit	4405	2690	3376	3202	1744	-1014	-2923	-2014	19	1727	-866	-2363	4270	4529
1932 Regional Surplus/Deficit	2950	2050	3698	2512	1319	-953	-2998	-2362	2011	5537	6205	6129	7511	7082
1933 Regional Surplus/Deficit	4190	4697	4945	3165	1151	499	2409	2188	1739	3077	3652	4550	6747	6397
1934 Regional Surplus/Deficit	6463	5913	5487	4520	3815	6380	2425	4132	5716	5793	6117	5560	4356	5637
1935 Regional Surplus/Deficit	3251	1817	3130	2719	1132	-841	1651	3886	408	2708	3991	4053	7100	6969
1936 Regional Surplus/Deficit	5651	2353	4283	2946	1745	-506	-2693	-1749	208	1776	5532	6380	7447	5350
1937 Regional Surplus/Deficit	4723	2850	4071	3013	1865	-391	-3113	-1832	-85	1073	-489	-1277	5238	4382
1938 Regional Surplus/Deficit	4196	2252	3836	3283	1327	-170	1893	593	4210	4812	5511	6302	7666	6920
1939 Regional Surplus/Deficit	3414	2277	4507	3366	1695	-349	-3.7	-1552	1546	2745	3495	5518	4782	5815
1940 Regional Surplus/Deficit	4988	2791	3866	3523	1713	-116	-532	-329	4427	3438	5173	4372	5668	5133
1941 Regional Surplus/Deficit	2819	1230	3135	3066	1192	-54	-336	-1541	21	1112	-747	1287	4714	4159
1942 Regional Surplus/Deficit	2554	1532	4425	2680	795	2295	1925	527	-686	1860	2888	4156	7874	7601
1943 Regional Surplus/Deficit	6086	4757	4158	3125	1259	-313	1382	3039	5362	6100	6268	6175	7645	7290
1944 Regional Surplus/Deficit	6337	4116	4221	2969	1743	-350	-921	-1699	-791	644	-1486	-2192	2543	3424
1945 Regional Surplus/Deficit	2148	913	3094	2237	1465	-868	-2958	-1553	-302	588	-974	4003	7302	5740
1946 Regional Surplus/Deficit	3794	2214	3605	2749	1594	-260	751	1196	5729	5630	6490	6487	7568	7501
1947 Regional Surplus/Deficit	6303	4127	5199	2907	1518	4347	2514	3979	5971	4091	4563	6179	7725	7453
1948 Regional Surplus/Deficit	5335	2302	4746	6858	2784	2990	3264	1211	4144	3827	6378	6608	7521	7210
1949 Regional Surplus/Deficit	6635	6343	5509	3636	1533	-123	-214	597	6140	4626	6432	6479	7588	4006
1950 Regional Surplus/Deficit	3430	989	3047	3060	1470	-605	520	4324	6596	6210	6089	5691	6679	7004
1951 Regional Surplus/Deficit	6202	5185	5205	4797	3599	5340	3040	4312	5638	6267	6240	6200	7572	7310
1952 Regional Surplus/Deficit	6595	5130	5086	6088	1780	2814	2286	2470	3768	6616	6641	6414	7940	6783
1953 Regional Surplus/Deficit	5393	2343	4333	2943	1925	-704	-349	3032	1601	2249	3640	5812	7526	7309
1954 Regional Surplus/Deficit	6241	4572	4835	3480	1567	1494	867	4005	4211	5233	5166	6089	6687	6705
1955 Regional Surplus/Deficit	7106	6907	8473	3837	1981	1844	-412	-1209	-557	2219	2772	3462	6717	6159
1956 Regional Surplus/Deficit	6600	6373	4303	4202	2661	5047	2944	2809	6340	6296	5449	6317	6786	7281
1957 Regional Surplus/Deficit	6661	5027	4933	3924	1500	838	1056	-35	3662	5928	5633	6748	7314	6540
1958 Regional Surplus/Deficit	4208	2455	4376	3151	1665	-583	-425	2396	4315	3767	6109	6391	7650	6418
1959 Regional Surplus/Deficit	4139	3360	4609	3054	1912	3487	2918	4232	4385	5458	4528	5599	7169	6966
1960 Regional Surplus/Deficit	6437	4513	8593	7490	4244	4562	2755	-27	3645	5837	6429	4904	7511	6898
1961 Regional Surplus/Deficit	5419	1807	4743	3219	1384	446	1152	3291	4630	5424	4065	5676	6538	6707
1962 Regional Surplus/Deficit	4713	3782	4038	3204	1769	-676	686	139	103	6299	6147	5667	7625	7188
1963 Regional Surplus/Deficit	5634	3865	4318	4146	2241	3649	2373	1278	902	2684	2397	5993	7889	7192
1964 Regional Surplus/Deficit	6237	4158	5113	2848	1671	-79	353	122	99	4132	4218	4621	7131	6703
1965 Regional Surplus/Deficit	6652	5934	5993	4934	1764	4901	2957	4934	6110	5129	6779	6198	7742	7106
1966 Regional Surplus/Deficit	6490	5264	5067	4192	1681	1320	2293	-85	448	6479	4521	4348	7001	7131
1967 Regional Surplus/Deficit	6387	3206	4138	3127	1642	-84	2925	4804	2941	3485	1797	4987	7058	7115
1968 Regional Surplus/Deficit	6672	4169	5193	3523	1446	330	1597	3309	4157	696	1201	4136	7489	7412
1969 Regional Surplus/Deficit	6563	5652	6878	5184	2861	2960	3094	4197	3389	6402	6177	6420	7377	7364
1970 Regional Surplus/Deficit	5647	2972	4633	3429	1848	-256	972	1895	2229	1822	2594	5696	7804	6934
1971 Regional Surplus/Deficit	3954	1448	3988	3194	2233	-396	2392	4283	5329	5795	6394	6283	7132	7215
1972 Regional Surplus/Deficit	7219	6666	5550	3828	1849	999	2926	4722	5858	5143	5367	6117	7127	6657
1973 Regional Surplus/Deficit	7060	6668	6334	3826	1753	1528	2028	-1318	175	243	-201	1083	4404	4643
1974 Regional Surplus/Deficit	3480	880	2597	2737	1100	3140	2659	4359	6654	5859	5961	5334	7156	6333
1975 Regional Surplus/Deficit	7058	6680	5359	2810	1761	-151	1727	1834	5170	3104	3903	5759	7523	7034
1976 Regional Surplus/Deficit	4843	4387	5237	5024	3388	6147	3026	4213	4657	6726	6417	6421	7681	6929
1977 Regional Surplus/Deficit	6888	6881	9391	3584	1710	-345	-500	-1824	-1107	95	-1925	-1613	2065	2430
1978 Regional Surplus/Deficit	2243	1211	2800	1869	813	-192	986	1724	4804	5619	4279	5777	7328	7515
-Ranked Averages-														
Top Ten Percent	6139	5134	6381	5486	3171	4782	2975	3526	4688	6072	6408	6028	7577	7122
Middle Eighty Percent	5242	3610	4650	3408	1701	857	1040	1564	3099	3954	4197	5091	6924	6516
Bottom Ten Percent	4430	2545	3734	3080	1685	-424	-2061	-1592	-79	1165	-738	-1300	4369	4362

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5834	869	3900	2374	1423	-1115	-1711	-2296	203	691	-273	-1071	7520	4748
1930 Regional Surplus/Deficit	3463	1444	3495	2736	1461	-801	-3540	-1356	3.5	1272	190	-1313	5900	4919
1931 Regional Surplus/Deficit	3999	2293	3006	2790	1322	-1523	-3451	-2499	-419	1734	-569	-1724	5090	4132
1932 Regional Surplus/Deficit	2546	1651	3328	2101	898	-1461	-3526	-2860	1576	5546	6507	6775	8327	6675
1933 Regional Surplus/Deficit	3788	4294	4574	2754	709	14	1899	1711	1301	3086	3952	5205	7569	5998
1934 Regional Surplus/Deficit	6049	5501	5118	4110	3393	5872	1916	3653	5279	5803	6419	6207	5179	5237
1935 Regional Surplus/Deficit	2850	1423	2761	2308	690	-1349	1142	3406	-31	2714	4293	4708	7917	6563
1936 Regional Surplus/Deficit	5241	1962	3914	2535	1323	-995	-3206	-2234	-227	1781	5830	7025	8262	4954
1937 Regional Surplus/Deficit	4318	2454	3701	2602	1443	-880	-3641	-2317	-521	1078	-192	-621	6059	3991
1938 Regional Surplus/Deficit	3792	1858	3466	2872	905	-660	1384	111	3775	4821	5812	6947	8480	6516
1939 Regional Surplus/Deficit	3014	1881	4136	2955	1273	-839	-515	-2037	1109	2752	3792	6171	5606	5415
1940 Regional Surplus/Deficit	4582	2396	3496	3111	1291	-604	-1044	-812	3993	3446	5472	5026	6491	4738
1941 Regional Surplus/Deficit	2419	840	2765	2654	771	-541	-847	-2026	-415	1116	-451	1944	5538	3765
1942 Regional Surplus/Deficit	2154	1135	4054	2269	373	1814	1416	44	-1124	1866	3187	4810	8687	7190
1943 Regional Surplus/Deficit	5674	4353	3789	2713	837	-802	872	2558	4925	6109	6569	6820	8460	6883
1944 Regional Surplus/Deficit	5923	3716	3851	2559	1322	-840	-1432	-2184	-1229	649	-1189	-1553	3368	3030
1945 Regional Surplus/Deficit	1748	517	2723	1825	1043	-1377	-3485	-2038	-739	593	-677	4657	8115	5343
1946 Regional Surplus/Deficit	3393	1820	3234	2315	1172	-751	239	717	5290	5639	6791	7131	8384	7092
1947 Regional Surplus/Deficit	5891	3728	4829	2472	1096	3864	2004	3497	5532	4100	4866	6825	8539	7043
1948 Regional Surplus/Deficit	4928	1912	4375	6443	2364	2508	2754	729	3708	3837	6679	7251	8330	6804
1949 Regional Surplus/Deficit	6220	5927	5141	3225	1111	-611	-724	116	5699	4635	6733	7124	8403	3617
1950 Regional Surplus/Deficit	3030	599	2673	2649	1048	-1102	9.9	3844	6153	6218	6391	6339	7502	6600
1951 Regional Surplus/Deficit	5790	4780	4835	4386	3178	4853	2531	3833	5201	6275	6542	6844	8387	6902
1952 Regional Surplus/Deficit	6180	4725	4718	5674	1359	2332	1776	1990	3336	6623	6941	7059	8752	6379
1953 Regional Surplus/Deficit	4985	1952	3963	2531	1504	-1194	-861	2553	1165	2254	3939	6461	8343	6902
1954 Regional Surplus/Deficit	5829	4169	4465	3069	1145	1011	357	3525	3776	5243	5469	6734	7508	6304
1955 Regional Surplus/Deficit	6687	6484	8100	3427	1562	1362	-925	-1694	-994	2224	3067	4118	7539	5761
1956 Regional Surplus/Deficit	6185	5956	3934	3792	2241	4561	2435	2329	5897	6304	5753	6962	7609	6875
1957 Regional Surplus/Deficit	6246	4623	4563	3513	1079	355	546	-518	3225	5937	5934	7392	8131	6137
1958 Regional Surplus/Deficit	3805	2061	4006	2740	1244	-1091	-935	1917	3880	3775	6410	7035	8464	6015
1959 Regional Surplus/Deficit	3736	2964	4238	2643	1492	3005	2408	3752	3949	5468	4831	6248	7987	6561
1960 Regional Surplus/Deficit	6022	4110	8219	7073	3822	4078	2245	-508	3210	5848	6729	5558	8327	6494
1961 Regional Surplus/Deficit	5011	1417	4372	2808	963	-41	642	2811	4195	5434	4370	6323	7358	6302
1962 Regional Surplus/Deficit	4307	3383	3667	2792	1347	-1167	176	-345	-334	6307	6448	6317	8439	6781
1963 Regional Surplus/Deficit	5225	3466	3948	3734	1820	3167	1862	797	470	2691	2696	6643	8701	6785
1964 Regional Surplus/Deficit	5824	3758	4743	2414	1249	-568	-156	-359	-337	4141	4519	5275	7952	6301
1965 Regional Surplus/Deficit	6236	5522	5623	4522	1342	4415	2448	4452	5670	5139	7079	6843	8556	6701
1966 Regional Surplus/Deficit	6075	4857	4697	3780	1260	838	1783	-567	12	6487	4819	5005	7817	6725
1967 Regional Surplus/Deficit	5973	2811	3768	2715	1221	-571	2415	4323	2506	3498	2100	5639	7878	6710
1968 Regional Surplus/Deficit	6256	3769	4822	3112	1025	-154	1087	2828	3723	700	1502	4790	8305	7003
1969 Regional Surplus/Deficit	6147	5243	6508	4772	2440	2478	2584	3716	2957	6411	6479	7064	8194	6955
1970 Regional Surplus/Deficit	5238	2577	4262	3017	1427	-745	462	1416	1792	1827	2895	6345	8618	6530
1971 Regional Surplus/Deficit	3552	1056	3617	2783	1810	-886	1882	3803	4893	5803	6694	6927	7952	6810
1972 Regional Surplus/Deficit	6799	6248	5179	3415	1427	514	2416	4240	5421	5155	5670	6762	7943	6256
1973 Regional Surplus/Deficit	6640	6248	5963	3414	1331	1045	1518	-1803	-262	246	95	1739	5227	4247
1974 Regional Surplus/Deficit	3078	487	2207	2325	658	2659	2150	3880	6210	5868	6263	5973	7974	5935
1975 Regional Surplus/Deficit	6639	6261	4990	2375	1339	-640	1217	1354	4735	3115	4206	6409	8340	6631
1976 Regional Surplus/Deficit	4438	3986	4867	4610	2967	5651	2516	3733	4221	6734	6718	7065	8495	6526
1977 Regional Surplus/Deficit	6471	6459	9018	3173	1288	-835	-1011	-2309	-1562	87	-1639	-953	2871	2039
1978 Regional Surplus/Deficit	1842	812	2430	1434	392	-681	475	1241	4370	5627	4584	6428	8145	7105
-Ranked Averages-														
Top Ten Percent	5727	4728	6010	5072	2750	4295	2465	3045	4252	6081	6709	6675	8392	6715
Middle Eighty Percent	4833	3209	4280	2993	1278	367	529	1082	2662	3961	4498	5740	7741	6113
Bottom Ten Percent	4024	2149	3364	2668	1264	-917	-2582	-2076	-516	1170	-442	-653	5191	3967

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5082	140	3211	1684	435	-2133	-2665	-3264	-572	-1018	-1856	-3340	5598	4136
1930 Regional Surplus/Deficit	2720	708	2805	2064	472	-1804	-4506	-2322	-772	-436	-1392	-3583	3982	4304
1931 Regional Surplus/Deficit	3253	1556	2318	2117	334	-2540	-4417	-3467	-1195	29	-2152	-3993	3170	3518
1932 Regional Surplus/Deficit	1801	911	2638	1429	-90	-2479	-4492	-3839	804	3841	4929	4511	6406	6054
1933 Regional Surplus/Deficit	3044	3550	3885	2082	-295	-985	947	748	524	1381	2373	2947	5652	5381
1934 Regional Surplus/Deficit	5297	4751	4430	3439	2406	4855	964	2689	4503	4098	4840	3943	3261	4620
1935 Regional Surplus/Deficit	2108	687	2073	1635	-314	-2367	189	2442	-809	1007	2714	2451	5997	5942
1936 Regional Surplus/Deficit	4491	1229	3225	1863	335	-1997	-4162	-3202	-1002	74	4250	4759	6340	4341
1937 Regional Surplus/Deficit	3572	1718	3013	1930	455	-1882	-4607	-3285	-1296	-630	-1775	-2878	4141	3383
1938 Regional Surplus/Deficit	3048	1122	2777	2200	-83	-1662	432	-854	3002	3117	4235	4681	6557	5896
1939 Regional Surplus/Deficit	2272	1146	3447	2283	286	-1842	-1469	-3005	335	1045	2210	3911	3690	4799
1940 Regional Surplus/Deficit	3834	1660	2808	2439	304	-1606	-1998	-1778	3219	1742	3892	2767	4574	4126
1941 Regional Surplus/Deficit	1679	108	2076	1981	-217	-1541	-1800	-2994	-1190	-593	-2033	-314	3622	3155
1942 Regional Surplus/Deficit	1412	398	3365	1597	-614	818	464	-923	-1900	159	1607	2551	6763	6566
1943 Regional Surplus/Deficit	4922	3609	3102	2041	-150	-1803	-80	1594	4150	4405	4991	4555	6537	6261
1944 Regional Surplus/Deficit	5171	2976	3164	1887	334	-1843	-2386	-3152	-2005	-1059	-2771	-3822	1453	2421
1945 Regional Surplus/Deficit	1007	-220	2034	1152	55	-2394	-4451	-3005	-1515	-1114	-2260	2399	6192	4729
1946 Regional Surplus/Deficit	2650	1085	2545	1645	185	-1754	-714	-247	4513	3934	5212	4865	6462	6469
1947 Regional Surplus/Deficit	5139	2988	4140	1781	109	2867	1051	2533	4754	2396	3290	4560	6616	6419
1948 Regional Surplus/Deficit	4180	1180	3686	5767	1377	1511	1801	-237	2933	2134	5101	4985	6403	6181
1949 Regional Surplus/Deficit	5466	5173	4455	2554	123	-1612	-1677	-848	4921	2931	5154	4859	6481	3011
1950 Regional Surplus/Deficit	2288	-133	1984	1977	60	-2105	-943	2879	5371	4512	4813	4075	5586	5981
1951 Regional Surplus/Deficit	5039	4035	4147	3713	2192	3852	1579	2869	4426	4569	4963	4579	6465	6280
1952 Regional Surplus/Deficit	5426	3979	4031	5000	372	1337	824	1026	2563	4917	5362	4793	6829	5759
1953 Regional Surplus/Deficit	4238	1220	3274	1859	516	-2198	-1815	1591	390	547	2360	4199	6421	6281
1954 Regional Surplus/Deficit	5078	3427	3776	2398	158	13	-595	2560	3002	3539	3892	4469	5590	5685
1955 Regional Surplus/Deficit	5930	5725	7409	2757	576	364	-1879	-2661	-1771	518	1483	1862	5623	5144
1956 Regional Surplus/Deficit	5431	5202	3247	3120	1255	3562	1483	1365	5116	4598	4176	4697	5692	6253
1957 Regional Surplus/Deficit	5492	3879	3874	2841	91	-642	-407	-1484	2451	4232	4357	5125	6210	5518
1958 Regional Surplus/Deficit	3061	1325	3317	2069	256	-2108	-1887	953	3106	2070	4833	4769	6542	5397
1959 Regional Surplus/Deficit	2993	2227	3549	1971	506	2009	1456	2787	3175	3764	3254	3985	6067	5940
1960 Regional Surplus/Deficit	5269	3368	7528	6395	2834	3080	1293	-1473	2437	4143	5150	3299	6406	5873
1961 Regional Surplus/Deficit	4263	685	3683	2136	-24	-1041	-311	1847	3422	3729	2795	4060	5440	5682
1962 Regional Surplus/Deficit	3561	2644	2978	2120	358	-2171	-777	-1312	-1110	4602	4870	4055	6516	6158
1963 Regional Surplus/Deficit	4476	2727	3260	3062	833	2171	909	-167	-302	984	1114	4382	6777	6163
1964 Regional Surplus/Deficit	5072	3017	4054	1723	261	-1570	-1109	-1325	-1113	2438	2941	3017	6033	5682
1965 Regional Surplus/Deficit	5483	4772	4934	3850	355	3416	1495	3486	4892	3435	5500	4577	6633	6080
1966 Regional Surplus/Deficit	5322	4111	4008	3107	273	-160	831	-1534	-763	4781	3238	2748	5896	6103
1967 Regional Surplus/Deficit	5220	2075	3079	2043	233	-1572	1462	3357	1731	1796	522	3380	5960	6088
1968 Regional Surplus/Deficit	5502	3029	4134	2441	38	-1152	136	1864	2950	-1008	-78	2532	6384	6379
1969 Regional Surplus/Deficit	5393	4495	5819	4100	1454	1482	1632	2752	2185	4705	4900	4799	6274	6331
1970 Regional Surplus/Deficit	4490	1840	3572	2345	439	-1747	-490	453	1017	120	1316	4084	6695	5910
1971 Regional Surplus/Deficit	2809	323	2928	2111	822	-1889	929	2839	4118	4098	5115	4662	6033	6189
1972 Regional Surplus/Deficit	6041	5493	4489	2742	440	-484	1463	3275	4645	3451	4093	4497	6022	5638
1973 Regional Surplus/Deficit	5883	5491	5273	2741	344	49	566	-2770	-1037	-1463	-1487	-519	3311	3635
1974 Regional Surplus/Deficit	2334	-247	1502	1653	-346	1664	1198	2916	5429	4163	4685	3704	6053	5319
1975 Regional Surplus/Deficit	5883	5505	4302	1685	351	-1642	265	390	3961	1412	2629	4147	6419	6010
1976 Regional Surplus/Deficit	3692	3245	4178	3937	1981	4644	1564	2769	3448	5028	5139	4799	6573	5906
1977 Regional Surplus/Deficit	5715	5700	8326	2501	301	-1837	-1964	-3277	-2352	-1631	-3230	-3208	942	1430
1978 Regional Surplus/Deficit	1099	72	1741	744	-596	-1682	-478	275	3597	3922	3009	4168	6224	6481
-Ranked Averages-														
Top Ten Percent	4975	3983	5321	4399	1763	3295	1512	2081	3478	4376	5131	4411	6470	6094
Middle Eighty Percent	4084	2468	3590	2318	290	-635	-425	116	1886	2256	2919	3477	5820	5494
Bottom Ten Percent	3279	1413	2675	1996	276	-1922	-3543	-3044	-1292	-538	-2025	-2918	3274	3356

Table A-30: Regional Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	4787	-134	2971	1397	96	-2500	-3130	-3679	-969	-915	-1753	-2026	6351	3828
1930 Regional Surplus/Deficit	2433	429	2565	1795	133	-2156	-4985	-2735	-1170	-333	-1290	-2269	4738	3992
1931 Regional Surplus/Deficit	2964	1275	2078	1848	-6.2	-2907	-4896	-3883	-1594	135	-2049	-2680	3925	3208
1932 Regional Surplus/Deficit	1512	629	2398	1161	-429	-2837	-4970	-4265	409	3948	5035	5830	7159	5735
1933 Regional Surplus/Deficit	2756	3263	3645	1813	-650	-1334	482	338	126	1488	2478	4272	6409	5067
1934 Regional Surplus/Deficit	5000	4457	4191	3171	2066	4488	498	2278	4105	4204	4947	5262	4018	4307
1935 Regional Surplus/Deficit	1822	408	1834	1367	-669	-2734	-276	2031	-1208	1111	2821	3777	6751	5624
1936 Regional Surplus/Deficit	4198	953	2986	1595	-4.6	-2349	-4630	-3617	-1399	178	4355	6077	7093	4031
1937 Regional Surplus/Deficit	3283	1438	2774	1661	115	-2234	-5085	-3699	-1694	-526	-1672	-1551	4897	3077
1938 Regional Surplus/Deficit	2760	843	2538	1932	-422	-2014	-33	-1266	2607	3226	4342	5999	7308	5579
1939 Regional Surplus/Deficit	1987	867	3208	2015	-54	-2195	-1935	-3420	-62	1151	2313	5235	4447	4486
1940 Regional Surplus/Deficit	3543	1380	2569	2170	-36	-1958	-2465	-2192	2823	1849	3996	4091	5331	3817
1941 Regional Surplus/Deficit	1394	-168	1837	1712	-556	-1891	-2266	-3409	-1587	-490	-1931	1012	4381	2848
1942 Regional Surplus/Deficit	1127	118	3126	1330	-953	473	-1.1	-1337	-2298	265	1712	3876	7514	6244
1943 Regional Surplus/Deficit	4627	3322	2864	1772	-490	-2154	-544	1183	3753	4511	5098	5873	7289	5942
1944 Regional Surplus/Deficit	4875	2693	2925	1619	-5	-2195	-2851	-3567	-2404	-956	-2668	-2509	2212	2114
1945 Regional Surplus/Deficit	722	-500	1794	883	-285	-2761	-4930	-3419	-1913	-1010	-2157	3725	6943	4418
1946 Regional Surplus/Deficit	2364	807	2306	1377	-154	-2107	-1180	-657	4115	4041	5318	6183	7215	6149
1947 Regional Surplus/Deficit	4844	2705	3901	1494	-231	2520	586	2121	4354	2503	3399	5879	7367	6098
1948 Regional Surplus/Deficit	3888	904	3447	5495	1040	1165	1336	-649	2537	2242	5207	6302	7151	5862
1949 Regional Surplus/Deficit	5169	4876	4217	2286	-216	-1963	-2143	-1260	4520	3039	5261	6177	7234	2708
1950 Regional Surplus/Deficit	2003	-408	1745	1709	-279	-2458	-1408	2467	4968	4619	4921	5395	6344	5664
1951 Regional Surplus/Deficit	4745	3746	3909	3445	1854	3501	1113	2459	4028	4676	5070	5896	7217	5960
1952 Regional Surplus/Deficit	5129	3691	3793	4729	33	991	359	616	2169	5023	5468	6110	7579	5443
1953 Regional Surplus/Deficit	3946	945	3035	1590	176	-2551	-2281	1182	-7.3	652	2466	5521	7174	5962
1954 Regional Surplus/Deficit	4783	3142	3537	2130	-181	-334	-1060	2149	2605	3647	4001	5787	6346	5370
1955 Regional Surplus/Deficit	5629	5423	7167	2490	239	18	-2347	-3076	-2170	622	1584	3188	6380	4831
1956 Regional Surplus/Deficit	5133	4905	3009	2852	917	3212	1017	954	4714	4704	4284	6015	6449	5935
1957 Regional Surplus/Deficit	5196	3591	3635	2573	-248	-989	-872	-1897	2055	4339	4465	6442	6964	5202
1958 Regional Surplus/Deficit	2774	1046	3078	1801	-84	-2475	-2352	542	2710	2177	4940	6087	7294	5082
1959 Regional Surplus/Deficit	2705	1947	3309	1703	168	1664	991	2376	2778	3872	3362	5306	6821	5622
1960 Regional Surplus/Deficit	4972	3082	7286	6122	2494	2732	827	-1884	2041	4250	5257	4624	7159	5556
1961 Regional Surplus/Deficit	3971	409	3443	1868	-363	-1391	-776	1437	3026	3837	2904	5380	6195	5364
1962 Regional Surplus/Deficit	3271	2361	2738	1851	19	-2525	-1242	-1726	-1507	4709	4977	5377	7268	5838
1963 Regional Surplus/Deficit	4184	2444	3020	2794	495	1825	443	-577	-696	1089	1218	5704	7528	5843
1964 Regional Surplus/Deficit	4776	2733	3815	1436	-79	-1922	-1574	-1737	-1510	2546	3048	4342	6789	5366
1965 Regional Surplus/Deficit	5186	4478	4695	3581	16	3067	1030	3074	4492	3543	5606	5895	7384	5762
1966 Regional Surplus/Deficit	5025	3822	3769	2838	-65	-507	366	-1947	-1160	4887	3342	4074	6648	5784
1967 Regional Surplus/Deficit	4924	1795	2839	1774	-106	-1923	997	2944	1335	1906	630	4704	6715	5770
1968 Regional Surplus/Deficit	5204	2745	3894	2173	-300	-1500	-329	1454	2555	-905	27	3857	7136	6059
1969 Regional Surplus/Deficit	5095	4203	5580	3831	1115	1136	1166	2341	1792	4811	5007	6117	7027	6011
1970 Regional Surplus/Deficit	4197	1560	3332	2076	100	-2098	-954	44	620	224	1423	5405	7446	5593
1971 Regional Surplus/Deficit	2523	46	2689	1843	482	-2241	464	2428	3721	4205	5221	5979	6789	5872
1972 Regional Surplus/Deficit	5740	5194	4249	2472	100	-832	998	2863	4246	3559	4201	5814	6774	5322
1973 Regional Surplus/Deficit	5582	5191	5033	2472	4.3	-298	101	-3185	-1435	-1361	-1385	807	4068	3326
1974 Regional Surplus/Deficit	2047	-525	1247	1384	-701	1319	733	2506	5025	4270	4792	5017	6806	5006
1975 Regional Surplus/Deficit	5583	5206	4064	1398	12	-1993	-200	-21	3565	1522	2737	5468	7172	5694
1976 Regional Surplus/Deficit	3403	2961	3939	3667	1642	4286	1098	2358	3053	5134	5245	6116	7325	5589
1977 Regional Surplus/Deficit	5416	5398	8083	2233	-39	-2189	-2431	-3692	-2765	-1537	-3135	-1880	1688	1125
1978 Regional Surplus/Deficit	813	-211	1502	457	-935	-2033	-944	-138	3202	4028	3119	5490	6978	6160
-Ranked Averages-														
Top Ten Percent	4680	3694	5082	4129	1424	2944	1047	1670	3081	4483	5237	5730	7222	5776
Middle Eighty Percent	3792	2184	3350	2048	-51	-987	-891	-296	1489	2362	3025	4798	6573	5178
Bottom Ten Percent	2990	1133	2436	1727	-64	-2277	-4017	-3459	-1689	-434	-1922	-1599	4030	3048

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Section 13

Monthly A-Tables

OY 2007 – 2016

1-Hour Capacity in Megawatts

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¹ Restoration was tied to the multi-year critical period studies. BPA uses a 1-year critical period for planning making Restoration adjustments obsolete.

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

³ Capacity Reserves are not applicable to energy.

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Table A-1
Total Retail Loads
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	223	223	176	218	227	215	240	227	215	200	200	193	210	203
2 Total Federal Entities	223	223	176	218	227	215	240	227	215	200	200	193	210	203
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
-Direct Service Industry-														
5 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508
6 Total Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508
-Generating Public Entities-														
7 Generating Public Entities	5640	5684	6085	7107	7906	8624	8791	8521	7762	7134	7134	6665	6123	6110
8 Total Generating Public Entities	5640	5684	6085	7107	7906	8624	8791	8521	7762	7134	7134	6665	6123	6110
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	4599	4599	4367	4946	5262	5495	5825	5593	5132	4809	4809	4685	4706	4897
10 Total Non-Generating Public Entities	4599	4599	4367	4946	5262	5495	5825	5593	5132	4809	4809	4685	4706	4897
-Investor-Owned Entities-														
11 Investor-Owned Entities	14480	14490	12876	13133	14709	16318	16751	15900	14334	13190	13166	12961	13949	14607
12 Total Investor-Owned Entities	14480	14490	12876	13133	14709	16318	16751	15900	14334	13190	13166	12961	13949	14607
-Other Firm Loads-														
13 Other PNW Entities	364	364	334	327	350	348	356	344	338	326	326	327	344	360
14 Total Other Firm Loads	364	364	334	327	350	348	356	344	338	326	326	327	344	360
-Total Regional Firm Loads-														
15 Federal Entities	443	450	382	254	227	215	240	227	243	426	462	481	470	472
16 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508
17 Public Entities	10239	10283	10452	12052	13168	14119	14616	14114	12894	11943	11943	11351	10829	11006
18 Investor-Owned Entities	14480	14490	12876	13133	14709	16318	16751	15900	14334	13190	13166	12961	13949	14607
19 Other Entities	364	364	334	327	350	348	356	344	338	326	326	327	344	360
20 Total Regional Firm Loads	25822	25883	24339	26275	28962	31508	32471	31093	28316	26393	26405	25628	26099	26954
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
-Total Regional Non-Firm Loads-														
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	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
-Total Regional Loads-														
29 Federal Entities	443	450	382	254	227	215	240	227	243	426	462	481	470	472
30 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508
31 Public Entities	10239	10283	10452	12052	13168	14119	14616	14114	12894	11943	11943	11351	10829	11006
32 Investor-Owned Entities	14505	14515	12915	13158	14734	16343	16780	15948	14414	13248	13224	12986	13974	14632
33 Other Entities	364	364	334	327	350	348	356	344	338	326	326	327	344	360
34 Total Regional Loads	25847	25908	24379	26300	28987	31533	32500	31141	28396	26452	26464	25653	26124	26979

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	246	246	188	231	241	226	255	240	227	211	211	201	222	215
2 Total Federal Entities	246	246	188	231	241	226	255	240	227	211	211	201	222	215
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6105	6105	6270	7213	8020	8745	8901	8628	7858	7221	7221	6746	6195	6235
8 Total Generating Public Entities	6105	6105	6270	7213	8020	8745	8901	8628	7858	7221	7221	6746	6195	6235
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	4719	4719	4470	5082	5374	5616	5949	5709	5243	4919	4919	4785	4805	5005
10 Total Non-Generating Public Entities	4719	4719	4470	5082	5374	5616	5949	5709	5243	4919	4919	4785	4805	5005
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	14574	14562	13037	13299	14876	16316	17026	16159	14506	13364	13339	13206	14226	14823
12 Total Investor-Owned Entities	14574	14562	13037	13299	14876	16316	17026	16159	14506	13364	13339	13206	14226	14823
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	352	352	333	333	338	349	356	344	338	326	326	327	343	359
14 Total Other Firm Loads	352	352	333	333	338	349	356	344	338	326	326	327	343	359
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	466	473	393	267	241	226	255	240	255	437	473	489	482	484
16 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	10824	10824	10740	12295	13393	14361	14850	14337	13101	12140	12140	11530	11000	11240
18 Investor-Owned Entities	14574	14562	13037	13299	14876	16316	17026	16159	14506	13364	13339	13206	14226	14823
19 Other Entities	352	352	333	333	338	349	356	344	338	326	326	327	343	359
20 Total Regional Firm Loads	26725	26719	25012	26802	29456	31860	33096	31688	28807	26874	26886	26161	26659	27515
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	466	473	393	267	241	226	255	240	255	437	473	489	482	484
30 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	10824	10824	10740	12295	13393	14361	14850	14337	13101	12140	12140	11530	11000	11240
32 Investor-Owned Entities	14599	14587	13077	13324	14901	16341	17055	16207	14585	13422	13398	13231	14251	14848
33 Other Entities	352	352	333	333	338	349	356	344	338	326	326	327	343	359
34 Total Regional Loads	26750	26744	25051	26827	29481	31885	33124	31736	28887	26933	26945	26186	26684	27540

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	264	264	198	255	266	248	283	265	250	231	231	218	246	237
2 Total Federal Entities	264	264	198	255	266	248	283	265	250	231	231	218	246	237
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6166	6166	6334	7285	8099	8832	8996	8722	7942	7295	7295	6814	6258	6301
8 Total Generating Public Entities	6166	6166	6334	7285	8099	8832	8996	8722	7942	7295	7295	6814	6258	6301
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	4826	4826	4575	5150	5427	5684	6029	5786	5316	4990	4990	4851	4869	5077
10 Total Non-Generating Public Entities	4826	4826	4575	5150	5427	5684	6029	5786	5316	4990	4990	4851	4869	5077
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	14882	14870	13247	13471	15068	16710	17258	16347	14670	13534	13509	13360	14468	15071
12 Total Investor-Owned Entities	14882	14870	13247	13471	15068	16710	17258	16347	14670	13534	13509	13360	14468	15071
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	351	351	332	333	338	349	355	342	337	325	325	326	342	358
14 Total Other Firm Loads	351	351	332	333	338	349	355	342	337	325	325	326	342	358
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	484	491	403	291	267	248	283	266	278	457	493	506	506	506
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	10993	10993	10910	12435	13526	14516	15024	14508	13257	12285	12285	11665	11127	11378
18 Investor-Owned Entities	14882	14870	13247	13471	15068	16710	17258	16347	14670	13534	13509	13360	14468	15071
19 Other Entities	351	351	332	333	338	349	355	342	337	325	325	326	342	358
20 Total Regional Firm Loads	27319	27313	25500	27138	29807	32431	33528	32071	29150	27208	27220	26465	27051	27921
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	484	491	403	291	267	248	283	266	278	457	493	506	506	506
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	10993	10993	10910	12435	13526	14516	15024	14508	13257	12285	12285	11665	11127	11378
32 Investor-Owned Entities	14907	14895	13286	13496	15093	16735	17286	16395	14750	13592	13568	13385	14493	15096
33 Other Entities	351	351	332	333	338	349	355	342	337	325	325	326	342	358
34 Total Regional Loads	27344	27338	25539	27163	29832	32456	33557	32119	29229	27267	27279	26490	27076	27946

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	300	300	216	256	268	249	284	267	251	232	232	219	247	238
2 Total Federal Entities	300	300	216	256	268	249	284	267	251	232	232	219	247	238
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6229	6229	6401	7367	8188	8931	9088	8813	8022	7368	7369	6882	6319	6364
8 Total Generating Public Entities	6229	6229	6401	7367	8188	8931	9088	8813	8022	7368	7369	6882	6319	6364
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	4889	4889	4640	5209	5495	5742	6079	5840	5372	5041	5041	4900	4919	5129
10 Total Non-Generating Public Entities	4889	4889	4640	5209	5495	5742	6079	5840	5372	5041	5041	4900	4919	5129
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	15117	15104	13462	13672	15280	16953	17497	16553	14868	13717	13693	13575	14711	15316
12 Total Investor-Owned Entities	15117	15104	13462	13672	15280	16953	17497	16553	14868	13717	13693	13575	14711	15316
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	351	351	332	332	337	348	355	342	337	324	324	326	342	358
14 Total Other Firm Loads	351	351	332	332	337	348	355	342	337	324	324	326	342	358
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	520	527	421	292	268	249	284	267	279	458	494	507	507	507
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11118	11118	11041	12577	13683	14672	15167	14653	13394	12410	12410	11783	11238	11493
18 Investor-Owned Entities	15117	15104	13462	13672	15280	16953	17497	16553	14868	13717	13693	13575	14711	15316
19 Other Entities	351	351	332	332	337	348	355	342	337	324	324	326	342	358
20 Total Regional Firm Loads	27714	27707	25865	27481	30176	32830	33911	32423	29486	27517	27529	26799	27407	28283
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	520	527	421	292	268	249	284	267	279	458	494	507	507	507
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11118	11118	11041	12577	13683	14672	15167	14653	13394	12410	12410	11783	11238	11493
32 Investor-Owned Entities	15142	15129	13502	13697	15305	16978	17525	16601	14947	13776	13751	13600	14736	15341
33 Other Entities	351	351	332	332	337	348	355	342	337	324	324	326	342	358
34 Total Regional Loads	27739	27732	25904	27506	30201	32855	33939	32471	29565	27576	27588	26824	27432	28308

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	301	301	217	257	269	250	286	268	252	233	233	220	248	240
2 Total Federal Entities	301	301	217	257	269	250	286	268	252	233	233	220	248	240
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6288	6288	6464	7443	8273	9024	9181	8905	8104	7441	7441	6950	6380	6427
8 Total Generating Public Entities	6288	6288	6464	7443	8273	9024	9181	8905	8104	7441	7441	6950	6380	6427
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	4941	4938	4691	5266	5548	5798	6144	5899	5432	5101	5101	4955	4975	5193
10 Total Non-Generating Public Entities	4941	4938	4691	5266	5548	5798	6144	5899	5432	5101	5101	4955	4975	5193
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	15380	15366	13682	13890	15510	17273	17752	16773	15095	13905	13880	13791	14956	15585
12 Total Investor-Owned Entities	15380	15366	13682	13890	15510	17273	17752	16773	15095	13905	13880	13791	14956	15585
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	352	352	333	333	338	348	356	343	338	325	325	327	343	360
14 Total Other Firm Loads	352	352	333	333	338	348	356	343	338	325	325	327	343	360
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	521	528	422	293	269	250	286	268	280	459	495	508	508	509
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11229	11226	11155	12709	13820	14822	15325	14804	13535	12542	12543	11905	11355	11620
18 Investor-Owned Entities	15380	15366	13682	13890	15510	17273	17752	16773	15095	13905	13880	13791	14956	15585
19 Other Entities	352	352	333	333	338	348	356	343	338	325	325	327	343	360
20 Total Regional Firm Loads	28090	28080	26200	27834	30546	33302	34326	32797	29856	27840	27852	27140	27770	28682
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	521	528	422	293	269	250	286	268	280	459	495	508	508	509
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11229	11226	11155	12709	13820	14822	15325	14804	13535	12542	12543	11905	11355	11620
32 Investor-Owned Entities	15405	15391	13721	13915	15535	17298	17780	16821	15174	13963	13939	13816	14981	15610
33 Other Entities	352	352	333	333	338	348	356	343	338	325	325	327	343	360
34 Total Regional Loads	28115	28105	26240	27859	30571	33327	34355	32845	29935	27898	27910	27165	27795	28707

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	302	302	218	259	270	251	287	269	254	234	234	221	249	241
2 Total Federal Entities	302	302	218	259	270	251	287	269	254	234	234	221	249	241
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6348	6348	6528	7522	8359	9120	9284	9008	8194	7522	7523	7026	6448	6497
8 Total Generating Public Entities	6348	6348	6528	7522	8359	9120	9284	9008	8194	7522	7523	7026	6448	6497
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	4999	4999	4749	5312	5571	5822	6182	5917	5462	5127	5127	4982	5008	5234
10 Total Non-Generating Public Entities	4999	4999	4749	5312	5571	5822	6182	5917	5462	5127	5127	4982	5008	5234
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	15614	15599	13912	14097	15744	17392	17947	16991	15302	14086	14061	14076	15103	15850
12 Total Investor-Owned Entities	15614	15599	13912	14097	15744	17392	17947	16991	15302	14086	14061	14076	15103	15850
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	353	353	334	334	339	349	358	345	339	327	327	328	345	362
14 Total Other Firm Loads	353	353	334	334	339	349	358	345	339	327	327	328	345	362
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	522	529	423	295	271	252	287	270	282	460	496	509	509	510
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11348	11348	11276	12834	13930	14942	15466	14925	13656	12650	12650	12008	11457	11731
18 Investor-Owned Entities	15614	15599	13912	14097	15744	17392	17947	16991	15302	14086	14061	14076	15103	15850
19 Other Entities	353	353	334	334	339	349	358	345	339	327	327	328	345	362
20 Total Regional Firm Loads	28445	28438	26554	28167	30892	33543	34666	33139	30187	28130	28142	27529	28022	29060
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	522	529	423	295	271	252	287	270	282	460	496	509	509	510
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11348	11348	11276	12834	13930	14942	15466	14925	13656	12650	12650	12008	11457	11731
32 Investor-Owned Entities	15639	15624	13952	14122	15769	17417	17975	17039	15381	14144	14120	14101	15128	15875
33 Other Entities	353	353	334	334	339	349	358	345	339	327	327	328	345	362
34 Total Regional Loads	28470	28463	26593	28192	30917	33568	34694	33187	30266	28189	28201	27554	28047	29085

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	303	303	219	258	270	251	288	271	255	235	235	222	250	242
2 Total Federal Entities	303	303	219	258	270	251	288	271	255	235	235	222	250	242
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6414	6414	6598	7605	8450	9220	9392	9113	8288	7607	7608	7104	6519	6569
8 Total Generating Public Entities	6414	6414	6598	7605	8450	9220	9392	9113	8288	7607	7608	7104	6519	6569
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	5033	5033	4774	5340	5596	5847	6237	5976	5518	5179	5179	5032	5056	5288
10 Total Non-Generating Public Entities	5033	5033	4774	5340	5596	5847	6237	5976	5518	5179	5179	5032	5056	5288
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	15886	15872	14151	14288	15915	17652	18177	17201	15502	14286	14261	14298	15368	16130
12 Total Investor-Owned Entities	15886	15872	14151	14288	15915	17652	18177	17201	15502	14286	14261	14298	15368	16130
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	355	355	336	335	340	351	359	347	341	328	328	330	347	364
14 Total Other Firm Loads	355	355	336	335	340	351	359	347	341	328	328	330	347	364
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	523	530	424	294	270	251	288	271	283	461	498	510	511	511
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11448	11448	11371	12946	14046	15067	15629	15089	13806	12786	12787	12136	11574	11857
18 Investor-Owned Entities	15886	15872	14151	14288	15915	17652	18177	17201	15502	14286	14261	14298	15368	16130
19 Other Entities	355	355	336	335	340	351	359	347	341	328	328	330	347	364
20 Total Regional Firm Loads	28820	28813	26890	28471	31180	33929	35062	33515	30539	28470	28481	27883	28408	29470
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	523	530	424	294	270	251	288	271	283	461	498	510	511	511
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11448	11448	11371	12946	14046	15067	15629	15089	13806	12786	12787	12136	11574	11857
32 Investor-Owned Entities	15911	15897	14190	14313	15940	17677	18206	17249	15582	14345	14320	14323	15393	16155
33 Other Entities	355	355	336	335	340	351	359	347	341	328	328	330	347	364
34 Total Regional Loads	28845	28838	26929	28496	31205	33954	35091	33563	30619	28529	28540	27908	28433	29495

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	304	304	220	260	272	253	290	273	257	237	237	224	252	244
2 Total Federal Entities	304	304	220	260	272	253	290	273	257	237	237	224	252	244
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6483	6483	6671	7704	8560	9342	9513	9233	8396	7705	7705	7194	6600	6652
8 Total Generating Public Entities	6483	6483	6671	7704	8560	9342	9513	9233	8396	7705	7705	7194	6600	6652
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	5086	5086	4828	5413	5655	5919	6322	6060	5592	5253	5253	5084	5107	5343
10 Total Non-Generating Public Entities	5086	5086	4828	5413	5655	5919	6322	6060	5592	5253	5253	5084	5107	5343
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	16178	16164	14390	14507	16143	17927	18458	17455	15734	14503	14478	14549	15645	16426
12 Total Investor-Owned Entities	16178	16164	14390	14507	16143	17927	18458	17455	15734	14503	14478	14549	15645	16426
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	358	358	338	337	342	353	361	348	342	330	330	331	349	367
14 Total Other Firm Loads	358	358	338	337	342	353	361	348	342	330	330	331	349	367
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	524	531	426	296	272	253	290	273	285	463	499	512	512	513
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11569	11569	11499	13117	14215	15261	15835	15293	13988	12958	12958	12278	11707	11995
18 Investor-Owned Entities	16178	16164	14390	14507	16143	17927	18458	17455	15734	14503	14478	14549	15645	16426
19 Other Entities	358	358	338	337	342	353	361	348	342	330	330	331	349	367
20 Total Regional Firm Loads	29237	29230	27260	28865	31580	34402	35552	33977	30957	28862	28873	28278	28823	29909
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	524	531	426	296	272	253	290	273	285	463	499	512	512	513
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11569	11569	11499	13117	14215	15261	15835	15293	13988	12958	12958	12278	11707	11995
32 Investor-Owned Entities	16203	16189	14429	14532	16168	17952	18486	17503	15814	14562	14537	14574	15670	16451
33 Other Entities	358	358	338	337	342	353	361	348	342	330	330	331	349	367
34 Total Regional Loads	29262	29255	27300	28890	31605	34427	35581	34025	31037	28920	28932	28303	28848	29934

Table A-1: Pacific Northwest Total Retail Loads
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	306	306	222	262	274	255	292	274	259	239	239	226	254	245
2 Total Federal Entities	306	306	222	262	274	255	292	274	259	239	239	226	254	245
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6563	6563	6755	7805	8672	9466	9636	9353	8503	7801	7802	7283	6680	6734
8 Total Generating Public Entities	6563	6563	6755	7805	8672	9466	9636	9353	8503	7801	7802	7283	6680	6734
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	5136	5136	4882	5473	5742	5999	6400	6135	5665	5322	5322	5147	5169	5410
10 Total Non-Generating Public Entities	5136	5136	4882	5473	5742	5999	6400	6135	5665	5322	5322	5147	5169	5410
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	16826	16812	14975	15052	16962	18759	19334	18350	16457	15133	15108	15121	16180	17036
12 Total Investor-Owned Entities	16826	16812	14975	15052	16962	18759	19334	18350	16457	15133	15108	15121	16180	17036
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	360	360	340	338	343	354	363	350	344	331	331	333	352	369
14 Total Other Firm Loads	360	360	340	338	343	354	363	350	344	331	331	333	352	369
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	526	533	427	298	274	255	292	275	287	465	501	514	514	514
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11699	11699	11637	13278	14414	15465	16035	15488	14168	13123	13124	12430	11849	12143
18 Investor-Owned Entities	16826	16812	14975	15052	16962	18759	19334	18350	16457	15133	15108	15121	16180	17036
19 Other Entities	360	360	340	338	343	354	363	350	344	331	331	333	352	369
20 Total Regional Firm Loads	30019	30012	27987	29574	32601	35441	36632	35071	31863	29660	29671	29005	29503	30671
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	526	533	427	298	274	255	292	275	287	465	501	514	514	514
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11699	11699	11637	13278	14414	15465	16035	15488	14168	13123	13124	12430	11849	12143
32 Investor-Owned Entities	16851	16837	15014	15077	16987	18784	19363	18398	16537	15192	15167	15146	16205	17061
33 Other Entities	360	360	340	338	343	354	363	350	344	331	331	333	352	369
34 Total Regional Loads	30044	30037	28026	29599	32626	35466	36661	35119	31943	29719	29730	29030	29528	30696

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
<i>-Federal Entities-</i>														
1 Federal Entities	308	308	224	264	276	257	294	276	261	240	240	227	255	247
2 Total Federal Entities	308	308	224	264	276	257	294	276	261	240	240	227	255	247
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	6632	6632	6830	7897	8815	9575	9747	9464	8602	7892	7892	7365	6754	6808
8 Total Generating Public Entities	6632	6632	6830	7897	8815	9575	9747	9464	8602	7892	7892	7365	6754	6808
<i>-Non-Generating Public Entities-</i>														
9 Non-Generating Public Entities	5199	5199	4944	5546	5816	6076	6481	6188	5740	5394	5394	5211	5233	5480
10 Total Non-Generating Public Entities	5199	5199	4944	5546	5816	6076	6481	6188	5740	5394	5394	5211	5233	5480
<i>-Investor-Owned Entities-</i>														
11 Investor-Owned Entities	17130	17115	15224	15286	17210	19057	19630	18621	16706	15370	15345	15387	16456	17343
12 Total Investor-Owned Entities	17130	17115	15224	15286	17210	19057	19630	18621	16706	15370	15345	15387	16456	17343
<i>-Other Firm Loads-</i>														
13 Other PNW Entities	362	362	342	339	345	356	364	351	345	332	332	334	354	372
14 Total Other Firm Loads	362	362	342	339	345	356	364	351	345	332	332	334	354	372
<i>-Total Regional Firm Loads-</i>														
15 Federal Entities	528	535	429	300	276	257	294	277	289	466	503	515	515	516
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	11831	11831	11774	13442	14631	15651	16228	15652	14342	13286	13286	12576	11988	12288
18 Investor-Owned Entities	17130	17115	15224	15286	17210	19057	19630	18621	16706	15370	15345	15387	16456	17343
19 Other Entities	362	362	342	339	345	356	364	351	345	332	332	334	354	372
20 Total Regional Firm Loads	30459	30451	28376	29976	33070	35929	37124	35509	32289	30063	30074	29420	29921	31127
Non-Firm Loads														
<i>-Investor-Owned Entities-</i>														
21 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
22 Total Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Non-Firm Loads-</i>														
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	25	25	39	25	25	25	28	48	79	59	59	25	25	25
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	25	25	39	25	25	25	28	48	79	59	59	25	25	25
<i>-Total Regional Loads-</i>														
29 Federal Entities	528	535	429	300	276	257	294	277	289	466	503	515	515	516
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	11831	11831	11774	13442	14631	15651	16228	15652	14342	13286	13286	12576	11988	12288
32 Investor-Owned Entities	17155	17140	15263	15311	17235	19082	19658	18669	16785	15429	15403	15412	16481	17368
33 Other Entities	362	362	342	339	345	356	364	351	345	332	332	334	354	372
34 Total Regional Loads	30484	30476	28415	30001	33095	35954	37153	35557	32369	30121	30132	29445	29946	31152

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Table A-2
Exports
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-2: Regional Exports
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	103	103	99	117	121	137	133	133	123	99	99	95	96	107
3 Total Exports to ECD	113	113	109	127	131	147	143	143	133	109	109	105	106	117
<i>-Exports to Pacific Southwest-</i>														
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	0	0	0	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	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 REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
17 PPL to SCE PwrS	200	200	200	0	0	0	0	0	0	0	0	0	0	0
18 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
20 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
21 SDGE to SDGE PwrS	87	87	87	87	87	87	87	87	87	87	87	0	87	87
22 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33
23 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
24 BPA NW-SW Intertie Losses	11	11	11	4.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	4.4	4.4	4.4
25 Total Exports To PSW	1311	1311	1311	508	350	350	350	350	350	350	350	348	892	892
<i>-Exports to Inland Southwest-</i>														
26 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
27 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
28 BPA to BCHP CanEnt	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
29 Total Exports To Canada	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244	1244
<i>-Exports to Other Entities-</i>														
30 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
31 Federal Entities	1791	1791	1787	1543	1468	1483	1480	1480	1470	1476	1476	1566	1567	1579
32 Public Entities	155	155	155	114	85	85	85	85	85	85	85	26	152	152
33 Investor-Owned Entities	797	797	797	267	217	217	217	217	217	217	217	180	597	597
34 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Total Exports.	2743	2743	2739	1924	1770	1785	1782	1782	1772	1778	1778	1772	2316	2328

Table A-2: Regional Exports
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	106	106	100	122	126	142	138	138	128	103	103	98	99	111
3 Total Exports to ECD	116	116	110	132	136	152	148	148	138	113	113	108	109	121
<i>-Exports to Pacific Southwest-</i>														
4 BPA to BURB C/N/X	18	18	18	18	9	9	9	9	9	9	0	0	0	0
5 BPA to GLEN C/N/X	20	20	20	20	10	10	10	10	10	10	0	0	0	0
6 BPA to PASA C/N/X	12	12	12	12	6	6	6	6	6	6	0	0	0	0
7 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
8 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
9 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
10 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
11 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
12 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
13 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
14 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
15 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
16 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
17 PSE to PG&E 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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
20 SHPD to SMUD PwrS	36	36	36	0	0	0	0	0	0	0	0	0	0	0
21 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
22 BPA NW-SW Intertie Losses	4.4	4.4	4.4	4.0	1.7	1.7	1.7	1.7	1.7	1.7	0.9	2.9	2.9	2.9
23 Total Exports To PSW	895	895	895	482	324	324	324	324	324	324	298	271	507	507
<i>-Exports to Inland Southwest-</i>														
24 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
25 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
26 BPA to BCHP CanEnt	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241
27 Total Exports To Canada	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241	1241
<i>-Exports to Other Entities-</i>														
28 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
29 Federal Entities	1575	1575	1569	1545	1470	1486	1482	1482	1472	1477	1451	1515	1516	1528
30 Public Entities	155	155	155	88	59	59	59	59	59	59	59	0	119	119
31 Investor-Owned Entities	597	597	597	267	217	217	217	217	217	217	217	180	297	297
32 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Total Exports.	2327	2327	2321	1900	1746	1762	1758	1758	1748	1753	1727	1695	1932	1944

Table A-2: Regional Exports
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	110	110	104	79	81	92	89	89	82	66	66	64	65	73
3 Total Exports to ECD	120	120	114	89	91	102	99	99	92	76	76	74	75	83
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
7 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	23	23
8 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
10 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 REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
13 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
15 SDGE to SDGE PwrS	87	87	87	87	87	87	87	87	87	87	87	0	87	87
16 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
17 BPA NW-SW Intertie Losses	2.9	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
18 Total Exports To PSW	507	507	507	431	298	298	298	298	298	298	298	271	507	507
<i>-Exports to Inland Southwest-</i>														
19 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
20 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
21 BPA to BCHP CanEnt	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245
22 Total Exports To Canada	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245	1245
<i>-Exports to Other Entities-</i>														
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
24 Federal Entities	1531	1531	1525	1454	1403	1413	1411	1411	1404	1418	1418	1485	1486	1494
25 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
26 Investor-Owned Entities	297	297	297	267	217	217	217	217	217	217	217	180	297	297
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Exports.	1947	1947	1941	1809	1679	1690	1687	1687	1680	1694	1694	1665	1902	1910

Table A-2: Regional Exports
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	72	72	68	73	75	85	82	83	77	62	62	60	60	68
3 Total Exports to ECD	82	82	78	83	85	95	92	93	87	72	72	70	70	78
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
7 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	0	0
8 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
10 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 REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
13 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
15 SDGE to SDGE PwrS	87	87	87	87	87	87	87	87	87	87	87	0	87	87
16 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
17 BPA NW-SW Intertie Losses	2.9	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
18 Total Exports To PSW	507	507	507	431	298	298	298	298	298	298	298	271	483	483
<i>-Exports to Inland Southwest-</i>														
19 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
20 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
21 BPA to BCHP CanEnt	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352
22 Total Exports To Canada	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352	1352
<i>-Exports to Other Entities-</i>														
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
24 Federal Entities	1600	1600	1596	1556	1504	1514	1511	1511	1506	1521	1521	1588	1565	1572
25 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
26 Investor-Owned Entities	297	297	297	267	217	217	217	217	217	217	217	180	297	297
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Exports.	2016	2016	2012	1911	1780	1790	1787	1788	1782	1797	1797	1768	1981	1988

Table A-2: Regional Exports
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	67	67	63	85	87	99	96	96	89	72	72	69	70	78
3 Total Exports to ECD	77	77	73	95	97	109	106	106	99	82	82	79	80	88
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
10 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
14 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
15 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
16 Total Exports To PSW	483	483	483	407	282	282	282	282	282	282	282	247	483	483
<i>-Exports to Inland Southwest-</i>														
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
19 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
20 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
22 Federal Entities	1569	1569	1565	1541	1498	1509	1506	1506	1499	1512	1512	1571	1572	1580
23 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
24 Investor-Owned Entities	297	297	297	267	217	217	217	217	217	217	217	180	297	297
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	1986	1986	1981	1897	1774	1785	1782	1782	1775	1788	1788	1751	1988	1996

Table A-2: Regional Exports
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	77	77	73	8.4	8.3	9.2	7.6	8.1	8	6.8	6.8	8	8.5	9.8
3 Total Exports to ECD	87	87	83	18	18	19	18	18	18	17	17	18	18	20
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	0	0
10 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
14 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
15 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
16 Total Exports To PSW	483	483	483	407	282	282	282	282	282	282	282	247	453	453
<i>-Exports to Inland Southwest-</i>														
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
19 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
20 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
22 Federal Entities	1580	1580	1575	1465	1419	1420	1418	1419	1418	1447	1447	1510	1511	1512
23 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
24 Investor-Owned Entities	297	297	297	267	217	217	217	217	217	217	217	180	267	267
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	1996	1996	1991	1820	1695	1696	1694	1695	1695	1723	1723	1690	1897	1898

Table A-2: Regional Exports
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	10	10	8.5	8.4	8.3	9.2	7.5	8	7.8	6.7	6.7	7.8	8.3	9.7
3 Total Exports to ECD	20	20	18	18	18	19	18	18	18	17	17	18	18	20
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
8 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0
9 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
14 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
15 BPA NW-SW Intertie Losses	2.3	2.3	2.3	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3	2.3	2.3
16 Total Exports To PSW	453	453	453	387	262	262	262	262	262	262	262	227	433	433
<i>-Exports to Inland Southwest-</i>														
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
19 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
20 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
22 Federal Entities	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1511	1512
23 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
24 Investor-Owned Entities	267	267	267	247	197	197	197	197	197	197	197	160	247	247
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	1899	1899	1897	1800	1675	1676	1674	1675	1674	1703	1703	1670	1877	1878

Table A-2: Regional Exports
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	10	10	8.3	8.3	8.2	9.1	7.4	7.9	7.7	6.6	6.6	7.7	8.2	9.5
3 Total Exports to ECD	20	20	18	18	18	19	17	18	18	17	17	18	18	20
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
6 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
8 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
12 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
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
14 Total Exports To PSW	433	433	433	387	262	262	262	262	262	262	262	227	433	433
<i>-Exports to Inland Southwest-</i>														
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
16 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
17 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
18 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
20 Federal Entities	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1510	1512
21 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
22 Investor-Owned Entities	247	247	247	247	197	197	197	197	197	197	197	160	247	247
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Exports.	1878	1878	1877	1800	1675	1676	1674	1674	1674	1703	1703	1670	1877	1878

Table A-2: Regional Exports
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	9.9	9.9	8.2	8.2	8.1	8.9	7.3	7.8	7.6	6.5	6.5	7.6	8.1	9.4
3 Total Exports to ECD	20	20	18	18	18	19	17	18	18	16	16	18	18	19
<i>-Exports to Pacific Southwest-</i>														
4 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	0
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
8 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
9 PPL to SMUD PwrS	100	100	100	100	100	100	0	0	0	0	0	0	0	0
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	87	87	87	87	87	87	87	87	87	87	87	0	87	87
12 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
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	1.8	1.8	1.8
14 Total Exports To PSW	433	433	433	387	262	262	162	162	162	162	162	112	318	318
<i>-Exports to Inland Southwest-</i>														
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
16 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
17 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
18 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
20 Federal Entities	1512	1512	1510	1465	1419	1419	1418	1418	1418	1447	1447	1494	1495	1496
21 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
22 Investor-Owned Entities	247	247	247	247	197	197	97	97	97	97	97	60	147	147
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Exports.	1878	1878	1877	1800	1675	1675	1574	1574	1574	1603	1603	1554	1761	1762

Table A-2: Regional Exports
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Exports East of Continental Divide-</i>														
1 AVWP to PPLM PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
2 BPA to Other Entities	9.7	9.7	8.1	8.1	8	8.8	7.2	7.7	7.5	6.4	6.4	7.5	8	9.3
3 Total Exports to ECD	20	20	18	18	18	19	17	18	18	16	16	18	18	19
<i>-Exports to Pacific Southwest-</i>														
4 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	0
5 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	0	0	0
7 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
8 SDGE to SDGE PwrS	87	87	87	87	87	87	87	87	87	87	87	0	87	87
9 TID to TID PwrS	59	59	59	59	59	59	59	59	59	59	59	0	59	59
10 BPA NW-SW Intertie Losses	1.8	1.8	1.8	1.8	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0
11 Total Exports To PSW	318	318	318	287	162	162	162	162	162	162	162	0	206	206
<i>-Exports to Inland Southwest-</i>														
12 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
13 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
<i>-Exports to Canada-</i>														
14 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
15 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
<i>-Exports to Other Entities-</i>														
16 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>														
17 Federal Entities	1496	1496	1495	1465	1418	1419	1418	1418	1418	1447	1447	1432	1433	1434
18 Public Entities	119	119	119	88	59	59	59	59	59	59	59	0	119	119
19 Investor-Owned Entities	147	147	147	147	97	97	97	97	97	97	97	10	97	97
20 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Total Exports.	1763	1763	1761	1700	1575	1575	1574	1574	1574	1603	1603	1442	1649	1650

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Table A-3
Regulated Hydro Projects
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	30914	30744	31381	31174	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20201	20085	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20519
60 Public Entities	4383	4331	4507	4281	4454	4391	4259	4135	4011	4082	4198	3998	4583	4391
61 Investor-Owned Entities	5832	5831	5941	5866	5722	5787	5689	5661	5641	5776	5774	5372	5722	5767
62 Other Entities	498	497	496	497	487	487	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	30914	30744	31381	31174	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20201	20085	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20519
60 Public Entities	4393	4340	4516	4291	4454	4391	4259	4135	4011	4082	4198	3998	4583	4391
61 Investor-Owned Entities	5832	5831	5941	5866	5722	5787	5689	5661	5641	5776	5774	5372	5722	5767
62 Other Entities	488	487	487	487	487	487	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20201	20085	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4393	4340	4516	4291	4454	4391	4259	4135	4011	4082	4198	3998	4583	4391
61 Investor-Owned Entities	5832	5831	5941	5866	5722	5787	5689	5661	5641	5776	5774	5372	5722	5767
62 Other Entities	488	487	487	487	487	487	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	30914	30744	31381	31173	31406	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4393	4340	4516	4291	4517	4454	4530	4406	4282	4353	4468	4269	4853	4661
61 Investor-Owned Entities	5832	5831	5941	5866	5659	5723	5417	5390	5369	5504	5503	5101	5451	5496
62 Other Entities	488	487	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4663	4611	4787	4561	4729	4666	4535	4411	4287	4358	4473	4274	4858	4666
61 Investor-Owned Entities	5561	5559	5670	5595	5446	5511	5413	5385	5365	5500	5498	5097	5447	5491
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30907	30705	30201	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4668	4616	4792	4566	4735	4672	4541	4417	4293	4364	4480	4280	4864	4672
61 Investor-Owned Entities	5556	5555	5665	5590	5440	5505	5406	5379	5358	5493	5492	5090	5440	5485
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31405	31166	30907	30705	30201	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31380	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4674	4622	4798	4573	4741	4678	4547	4423	4298	4370	4485	4286	4870	4678
61 Investor-Owned Entities	5550	5548	5658	5584	5434	5499	5401	5373	5353	5488	5487	5085	5435	5480
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31380	31173	31405	31166	30908	30705	30202	29623	29417	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4680	4628	4804	4578	4747	4684	4553	4429	4305	4376	4492	4292	4876	4684
61 Investor-Owned Entities	5544	5543	5653	5578	5428	5493	5395	5367	5346	5481	5480	5078	5428	5473
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31173	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31174	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4687	4634	4810	4585	4754	4691	4559	4435	4311	4382	4498	4298	4883	4691
61 Investor-Owned Entities	5538	5537	5647	5572	5422	5487	5388	5361	5340	5475	5474	5072	5422	5467
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31174	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	133	133	130	132	127	113	99	94	94	106	112	0	133	132
Total Regulated Hydro w/Enc.	31124	30954	31381	31174	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165
<i>-Total Regulated Hydro w/Enc.-</i>														
59 Federal System	20411	20296	20437	20530	20742	20502	20473	20422	20063	19279	18958	19621	20385	20520
60 Public Entities	4693	4640	4816	4591	4754	4691	4559	4435	4311	4382	4498	4298	4883	4691
61 Investor-Owned Entities	5532	5530	5641	5566	5422	5487	5388	5361	5340	5475	5474	5072	5422	5467
62 Other Entities	488	488	487	487	488	488	487	487	487	487	487	487	488	488
63 Total Regulated Hydro w/Enc.	31124	30954	31381	31174	31406	31167	30908	30705	30202	29623	29418	29479	31178	31165

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Table A-4
Independent Hydro Projects
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Bull Run	22	22	22	22	22	22	0	0	0	0	0	0	0	0
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
17 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Condit	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
19 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
20 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
21 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
22 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
25 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
26 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
27 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
28 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
29 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
31 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
32 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
33 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
34 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
35 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
36 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
37 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
38 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
39 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
40 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
41 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
42 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
43 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
44 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
45 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
46 Milltown/Flint Creek	1.2	1.2	0	0	0	0	0	0	0	0	0	0	0	0
47 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
48 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
49 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
50 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
51 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
52 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
53 Powerdale	6	6	6	6	6	6	6	6	6	6	6	6	6	6
54 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
55 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
56 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
58 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
59 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
60 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
61 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
62 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
63 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
64 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
65 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
66 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
67 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
68 TW Sullivan	0	0	0	0	0	14	16	14	14	14	14	14	0	0
69 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
70 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
71 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
72 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
73 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
74 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
75 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
76 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1814	1796	1790	1780	1748	1740	1673	1771	1865	1917	1942	2044	2019	1870
<i>-Total Independent Hydro W/Enc.-</i>														
77 Federal System	722	734	714	701	680	645	614	718	781	804	807	841	843	717
78 Public Entities	238	238	283	306	303	302	301	308	334	328	327	359	346	296
79 Investor-Owned Entities	854	825	793	772	765	792	757	745	750	785	808	844	831	857
80 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Total Independent Hydro w/Enc.	1814	1796	1790	1780	1748	1740	1673	1771	1865	1917	1942	2044	2019	1870

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 Condit	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
18 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
19 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
20 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
21 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
23 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
24 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
25 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
26 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
27 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
28 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
30 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
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
34 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
35 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
37 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
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
39 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
40 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
42 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
43 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
44 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
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
46 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
49 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
50 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
51 Powerdale	6	6	6	6	6	6	6	6	6	6	6	6	6	6
52 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
53 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
54 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
55 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
56 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
58 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
59 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
60 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
61 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
62 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
63 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
64 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
65 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
66 TW Sullivan	0	0	0	0	0	14	16	14	14	14	14	14	0	0
67 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
68 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
69 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
70 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
71 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 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
73 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
74 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1791	1773	1768	1758	1726	1718	1673	1771	1865	1917	1942	2044	2019	1870
<i>-Total Independent Hydro W/Enc.-</i>														
75 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
76 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
77 Investor-Owned Entities	831	801	771	750	743	770	757	745	750	785	808	844	831	857
78 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total Independent Hydro w/Enc.	1791	1773	1768	1758	1726	1718	1673	1771	1865	1917	1942	2044	2019	1870

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 Condit	9.6	9.6	9.6	9.6	0	0	0	0	0	0	0	0	0	0
18 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
19 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
20 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
21 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
23 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
24 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
25 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
26 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
27 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
28 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
30 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
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
34 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
35 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
37 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
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
39 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
40 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
42 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
43 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
44 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
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
46 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
49 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
50 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
51 Powerdale	6	6	6	6	6	6	6	6	6	6	6	6	6	6
52 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
53 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
54 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
55 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
56 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
58 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
59 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
60 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
61 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
62 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
63 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
64 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
65 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
66 TW Sullivan	0	0	0	0	0	14	16	14	14	14	14	14	0	0
67 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
68 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
69 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
70 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
71 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 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
73 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
74 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1791	1773	1768	1758	1716	1709	1663	1761	1855	1907	1933	2034	2010	1860
<i>-Total Independent Hydro W/Enc.-</i>														
75 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
76 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
77 Investor-Owned Entities	831	801	771	750	733	761	748	735	741	775	798	834	821	847
78 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total Independent Hydro w/Enc.	1791	1773	1768	1758	1716	1709	1663	1761	1855	1907	1933	2034	2010	1860

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
22 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
23 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
24 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
25 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
26 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
27 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
29 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
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
33 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
34 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
35 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
36 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
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
38 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
39 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
41 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
42 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
43 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
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
45 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
48 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
49 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
50 Powerdale	6	6	6	6	6	6	6	6	6	6	6	0	0	0
51 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
54 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
56 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 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
58 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
60 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
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
62 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
64 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
65 TW Sullivan	0	0	0	0	0	14	16	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
68 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
69 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
70 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
71 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
72 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
73 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1781	1763	1759	1748	1716	1709	1663	1761	1855	1907	1933	2028	2018	1868
-Total Independent Hydro W/Enc.-														
74 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
75 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
76 Investor-Owned Entities	821	792	761	741	733	761	748	735	741	775	798	828	829	855
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	1781	1763	1759	1748	1716	1709	1663	1761	1855	1907	1933	2028	2018	1868

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
22 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
23 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
24 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
25 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
26 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
27 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
29 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
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
33 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
34 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
35 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
36 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
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
38 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
39 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
41 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
42 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
43 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
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
45 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
48 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
49 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
50 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
53 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
54 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
55 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
56 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

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
59 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
61 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
63 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
64 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
67 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
68 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
69 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70 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
71 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
72 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
<i>-Total Independent Hydro W/Enc.-</i>														
73 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
74 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
75 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
22 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
23 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
24 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
25 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
26 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
27 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
29 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
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
33 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
34 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
35 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
36 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
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
38 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
39 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
41 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
42 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
43 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
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
45 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
48 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
49 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
50 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
53 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
54 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
55 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
56 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

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
59 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
61 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
63 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
64 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
67 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
68 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
69 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70 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
71 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
72 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
<i>-Total Independent Hydro W/Enc.-</i>														
73 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
74 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
75 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
9 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
11 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
12 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
14 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
16 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
22 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
23 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
24 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
25 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
26 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
27 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
29 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
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
33 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
34 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
35 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
36 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
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
38 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
39 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
41 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
42 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
43 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
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
45 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
48 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
49 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
50 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
53 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
54 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
55 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72
56 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

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
59 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
61 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
63 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
64 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
67 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
68 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
69 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70 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
71 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
72 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868
<i>-Total Independent Hydro W/Enc.-</i>														
73 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
74 Public Entities	257	257	303	306	303	302	301	308	334	328	327	359	346	296
75 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1657	1755	1849	1901	1927	2028	2018	1868

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 Blue River	0	0	0	0	0	0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
9 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
17 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
19 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
20 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
21 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
23 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
24 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
25 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
26 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
27 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
28 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
30 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
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
34 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
35 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
37 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
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
39 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
40 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
42 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
43 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
44 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
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
46 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
49 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
50 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
51 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
54 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
56 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 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
58 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
60 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
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
62 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
64 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
65 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
68 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
69 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
70 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
71 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
72 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
73 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1661	1760	1854	1905	1931	2032	2022	1873
-Total Independent Hydro W/Enc.-														
74 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
75 Public Entities	257	257	303	306	303	302	305	312	338	332	331	363	350	300
76 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	1789	1771	1767	1756	1724	1703	1661	1760	1854	1905	1931	2032	2022	1873

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 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
9 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
17 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
19 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
20 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
21 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
23 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
24 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
25 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
26 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
27 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
28 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
30 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
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
34 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
35 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
37 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
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
39 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
40 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
42 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
43 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
44 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
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
46 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
49 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
50 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
51 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
54 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
56 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 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
58 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
60 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
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
62 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
64 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
65 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
68 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
69 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
70 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
71 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
72 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
73 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873
-Total Independent Hydro W/Enc.-														
74 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
75 Public Entities	262	261	307	310	307	307	305	312	338	332	331	363	350	300
76 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Independent Hydro Projects-</i>														
1 American Falls	74	47	30	13	0	8.8	0	0	0	7.4	33	68	70	79
2 Anderson Ranch	40	40	38	38	38	38	36	35	34	34	34	37	38	36
3 Bend Power Dam	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4 Big Cliff	8	7	9	13	15	21	21	21	21	21	21	21	21	8
5 Big Fork	4.5	4.5	3.3	4.4	4.3	4.3	4.5	4.5	4.6	4.6	4.6	4.6	4.5	4.6
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
7 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 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
9 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
10 Calispel Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 Carmen-Smith	41	38	39	33	30	37	33	33	52	62	63	64	60	51
12 Cascade	14	11	6.5	6.8	0	0	4.9	0	0	0	0	0	0	6.7
13 Cedar Falls & Newhalem	0	0	24	30	30	30	30	30	30	30	30	30	30	0
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
15 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4
17 Cline Falls	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 Cougar	17	24	12	25	24	25	25	25	25	25	25	29	29	11
19 Cowlitz Falls	10	10	12	16	23	23	13	17	33	48	48	64	66	29
20 Detroit	115	115	115	115	115	96	96	115	115	115	115	115	115	115
21 Dexter	6	6	6	12	16	17	17	17	17	17	17	17	17	6
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
23 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
24 Foster	4	10	4	8	6	22	22	22	22	22	22	23	23	6
25 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
26 Green Peter	92	92	92	92	92	79	79	92	92	92	92	92	92	92
27 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
28 Hellroaring (Big) Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 Hills Creek	7	7	25	23	27	30	30	30	30	30	30	35	35	14
30 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
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7
34 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
35 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
36 Klamath	92	92	92	92	92	92	92	91	91	92	92	92	92	92
37 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
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10
39 Lookout Point	138	138	138	138	114	67	67	114	138	138	138	138	138	138
40 Lost Creek	56	56	55	52	51	50	18	50	53	56	56	56	56	56
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7
42 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
43 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
44 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
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0
46 Minidoka	30	30	28	19	15	18	26	15	16	22	22	30	30	30
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
49 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
50 Palisades	131	131	128	109	108	116	122	128	131	131	131	131	131	131
51 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	51
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
54 Shoshone Falls	12	12	12	12	12	12	12	12	12	12	12	12	12	12
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9
56 Snoq Elect & Nooksack	72	72	72	72	72	72	72	72	72	72	72	72	72	72

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
57 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
58 South Fork Tolt	0	0	0	0	7	7	7	7	7	0	0	0	0	0
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10
60 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
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14
62 The Dalles Fishway	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.4	5.3	5.4	5.4
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12
64 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
65 TW Sullivan	14	14	14	14	14	14	16	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11
68 Upper Salmon 1 & 2	20	20	20	20	20	20	20	20	20	20	20	20	20	20
69 Upper Salmon 3 & 4	18	18	18	18	18	18	18	18	18	18	18	18	18	18
70 Wallowa Falls	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
71 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
72 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
73 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873
-Total Independent Hydro W/Enc.-														
74 Federal System	703	715	694	701	680	645	614	718	781	804	807	841	843	717
75 Public Entities	262	261	307	310	307	307	305	312	338	332	331	363	350	300
76 Investor-Owned Entities	829	800	769	749	741	755	742	729	735	769	792	828	829	855
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	1793	1776	1771	1760	1729	1707	1661	1760	1854	1905	1931	2032	2022	1873

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Table A-5
Imports
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-5: Regional Imports
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 BEPC to NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE to NWE PwrS	232	199	198	202	147	204	181	181	118	112	126	251	295	245
3 Other Entities to CKPD	10	10	10	0	0	0	0	0	0	0	0	0	0	0
4 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	80	80
5 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
6 PPL to PPL PwrS	126	126	137	132	158	176	165	155	115	122	122	88	143	140
7 Total Imports From ECD	461	428	386	442	564	693	633	579	448	422	436	340	536	499
<i>-Imports From Pacific Southwest-</i>														
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
26 Total Imports From PSW	0	0	0	0	354	376	376	376	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
27 Other Entities to BPA	50	50	50	50	50	50	0	0	0	0	0	0	0	0
28 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
29 UPL to UPL PwrS	545	545	483	428	416	437	422	434	436	421	421	481	566	633
30 WAPA to GLEC ARP	3.3	3.3	3.1	0	0	0	0	0	0	0	0	0	0	0
31 Total Imports From ISW	673	673	611	523	511	532	467	479	481	496	496	556	641	708
<i>-Imports From Canada-</i>														
32 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
34 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
35 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
36 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
37 Federal System	139	139	168	204	257	311	235	191	163	166	166	76	94	110
38 Public Entities	156	156	156	142	122	164	195	228	254	154	154	142	142	142
39 Investor-Owned Entities	987	954	820	766	1153	1250	1200	1202	769	757	771	824	1087	1101
40 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Total Imports.	1281	1248	1144	1113	1532	1725	1630	1622	1186	1077	1091	1042	1323	1353

Table A-5: Regional Imports
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 BEPC to NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE to NWE PwrS	237	204	203	208	152	210	187	187	124	118	132	257	301	250
3 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	80	80
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 PPL to PPL PwrS	160	160	98	136	152	200	140	182	144	146	146	135	169	178
6 Total Imports From ECD	490	457	342	452	563	723	614	612	483	452	466	392	568	542
<i>-Imports From Pacific Southwest-</i>														
7 BURB to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BURB to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GLEN to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 GLEN to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
12 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
13 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
19 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports From PSW	0	0	0	0	354	376	376	376	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
26 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
27 UPL to UPL PwrS	548	548	482	432	420	440	424	434	436	423	423	480	588	634
28 Total Imports From ISW	623	623	557	477	465	485	469	479	481	498	498	555	663	709
<i>-Imports From Canada-</i>														
29 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
31 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
32 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
33 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
34 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
35 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
36 Investor-Owned Entities	1028	995	785	780	1156	1283	1183	1235	803	789	803	875	1141	1145
37 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Imports.	1260	1227	1046	1076	1485	1708	1613	1655	1220	1109	1123	1094	1378	1398

Table A-5: Regional Imports
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 BEPC to NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE to NWE PwrS	243	404	403	213	158	216	193	193	129	124	138	263	210	256
3 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	80	80
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 PPL to PPL PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Imports From ECD	336	497	445	321	417	529	480	436	343	311	325	264	308	370
<i>-Imports From Pacific Southwest-</i>														
7 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
8 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
9 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	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
19 Total Imports From PSW	0	0	0	0	354	376	76	76	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
20 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
21 UPL to UPL PwrS	545	545	486	434	421	440	423	431	434	424	424	483	596	637
22 Total Imports From ISW	620	620	561	479	466	485	468	476	479	499	499	558	671	712
<i>-Imports From Canada-</i>														
23 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
25 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
26 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
27 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
28 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
29 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
30 Investor-Owned Entities	871	1032	892	651	1011	1089	748	756	662	649	663	750	889	976
31 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Imports.	1103	1264	1152	947	1340	1514	1178	1176	1079	969	983	968	1126	1228

Table A-5: Regional Imports
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 BEPC to NWE PwrS	0	0	0	0	98	98	98	98	98	98	98	0	0	0
2 NWE to NWE PwrS	248	214	213	218	163	222	198	198	134	129	144	269	313	262
3 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	0	0
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 Total Imports From ECD	341	307	255	326	422	535	485	441	348	316	331	270	331	296
<i>-Imports From Pacific Southwest-</i>														
6 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
7 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
8 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 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
17 Total Imports From PSW	0	0	0	0	54	76	76	76	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
18 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
19 UPL to UPL PwrS	546	546	491	437	427	441	423	432	436	425	425	484	598	638
20 Total Imports From ISW	621	621	566	482	472	486	468	477	481	500	500	559	673	713
<i>-Imports From Canada-</i>														
21 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
23 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
24 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
25 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
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	877	843	707	659	722	796	753	762	669	655	670	757	914	903
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Imports.	1109	1075	967	955	1051	1221	1183	1182	1086	975	990	975	1151	1155

Table A-5: Regional Imports
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	254	219	218	223	267	326	205	205	140	136	150	178	223	170
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	267	232	260	331	428	541	394	350	257	225	239	179	241	204
<i>-Imports From Pacific Southwest-</i>														
4 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Total Imports From PSW	0	0	0	0	54	76	76	76	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
13 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
14 UPL to UPL PwrS	547	547	494	440	432	442	423	432	437	428	428	489	604	643
15 Total Imports From ISW	622	622	569	485	477	487	468	477	482	503	503	564	679	718
<i>-Imports From Canada-</i>														
16 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
18 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
19 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
20 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
21 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
22 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
23 Investor-Owned Entities	804	769	715	667	733	803	662	671	578	567	581	671	830	816
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports.	1036	1001	975	963	1062	1228	1092	1091	995	887	901	889	1067	1068

Table A-5: Regional Imports
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	162	128	127	131	175	235	211	211	146	141	156	184	229	176
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	175	141	169	239	336	450	400	356	263	230	245	185	247	210
<i>-Imports From Pacific Southwest-</i>														
4 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Total Imports From PSW	0	0	0	0	54	76	76	76	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
13 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
14 UPL to UPL PwrS	548	548	498	446	437	445	429	441	447	431	431	495	580	642
15 Total Imports From ISW	623	623	573	491	482	490	474	486	492	506	506	570	655	717
<i>-Imports From Canada-</i>														
16 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
18 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
19 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
20 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
21 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
22 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
23 Investor-Owned Entities	713	679	628	581	646	715	674	686	594	575	590	683	812	821
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports.	945	911	888	877	975	1140	1104	1106	1011	895	910	901	1049	1073

Table A-5: Regional Imports
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	168	133	132	137	181	241	217	217	151	146	162	190	236	182
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	181	146	174	245	342	456	406	362	268	235	251	191	254	216
<i>-Imports From Pacific Southwest-</i>														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 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
11 Total Imports From PSW	0	0	0	0	24	46	46	46	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
12 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
13 UPL to UPL PwrS	550	550	499	445	429	445	431	443	449	433	433	498	584	642
14 Total Imports From ISW	625	625	574	490	474	490	476	488	494	508	508	573	659	717
<i>-Imports From Canada-</i>														
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
17 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
18 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
20 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
21 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
22 Investor-Owned Entities	721	686	634	586	614	691	652	664	601	582	598	692	823	827
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	953	918	894	882	943	1116	1082	1084	1018	902	918	910	1060	1079

Table A-5: Regional Imports
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	174	138	137	142	186	248	223	223	156	152	167	197	242	188
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	187	151	179	250	347	463	412	368	273	241	256	197	260	222
<i>-Imports From Pacific Southwest-</i>														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 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
11 Total Imports From PSW	0	0	0	0	24	46	46	46	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
12 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
13 UPL to UPL PwrS	564	564	502	447	431	447	433	445	451	435	435	501	588	646
14 Total Imports From ISW	639	639	577	492	476	492	478	490	496	510	510	576	663	721
<i>-Imports From Canada-</i>														
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
17 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
18 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
20 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
21 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
22 Investor-Owned Entities	741	705	642	593	621	700	660	672	608	590	605	701	833	837
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	973	937	902	889	950	1125	1090	1092	1025	910	925	919	1070	1089

Table A-5: Regional Imports
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	179	143	142	148	192	254	229	229	161	157	173	203	249	194
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	192	156	184	256	353	469	418	374	278	246	262	203	267	228
<i>-Imports From Pacific Southwest-</i>														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 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
11 Total Imports From PSW	0	0	0	0	24	46	46	46	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
12 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
13 UPL to UPL PwrS	567	567	505	449	433	449	435	448	454	437	437	504	593	650
14 Total Imports From ISW	642	642	580	494	478	494	480	493	499	512	512	579	668	725
<i>-Imports From Canada-</i>														
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
17 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
18 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
19 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
20 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
21 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
22 Investor-Owned Entities	749	713	650	601	629	708	668	681	616	597	613	710	845	847
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Imports.	981	945	910	897	958	1133	1098	1101	1033	917	933	928	1082	1099

Table A-5: Regional Imports
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Imports From East of Continental Divide-</i>														
1 NWE to NWE PwrS	185	149	148	153	197	260	234	234	165	161	178	209	254	199
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
3 Total Imports From ECD	198	162	190	261	358	475	423	379	282	251	267	209	272	232
<i>-Imports From Pacific Southwest-</i>														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Imports From PSW	0	0	0	0	24	46	46	46	46	12	12	0	0	0
<i>-Imports From Inland Southwest-</i>														
9 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
10 UPL to UPL PwrS	572	572	508	452	435	452	437	450	456	439	439	507	597	654
11 Total Imports From ISW	647	647	583	497	480	497	482	495	501	514	514	582	672	729
<i>-Imports From Canada-</i>														
12 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
14 Other Entities to PSE	3.2	3.2	2.7	3.6	4.3	4.8	4	4	1.8	3.6	3.6	3.4	2.6	2.6
15 Total Imports From Canada	147	147	146	147	102	124	154	187	211	147	147	147	146	146
<i>-Imports From Other Entities-</i>														
16 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>														
17 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110
18 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
19 Investor-Owned Entities	760	724	659	609	636	717	675	689	622	603	620	719	854	856
20 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Total Imports.	992	956	919	905	965	1142	1105	1108	1039	923	940	937	1090	1108

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Table A-6
Small Thermal & Miscellaneous
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

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Table A-7
Combustion Turbines
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	0	0	0	0	0	0	0	0	0	0	0	415	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2048	2048	2059	2077	2093	2103	2106	2100	2091	2080	2080	2229	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2048	2048	2059	2077	2093	2103	2106	2100	2091	2080	2080	2229	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	3693	3693	3706	3726	3747	3759	3761	3754	3744	3360	3360	3472	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	0	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	6.9	6.9	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2471	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2471	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2821	3500	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3057	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	0	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	6.9	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2821	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	0	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2814	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	6.9	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	6.9	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	0	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2471	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	209	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2471	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	2814	3500	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	6.9	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1821	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3064	3493	4105

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5 Hoquiam Diesels	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 Olympic View Generating Station	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
7 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
8 Randolph Road Diesel Farm	32	32	32	32	32	32	32	32	32	32	32	32	32	32
9 River Road	243	243	244	247	251	253	253	252	251	248	248	243	246	243
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
12 Total Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
<i>-Investor-Owned Entities-</i>														
13 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 Beaver	487	487	494	504	514	521	521	518	514	508	508	501	494	487
15 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
16 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
17 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19 Danskin	87	87	88	89	91	92	93	92	90	88	88	88	87	86
20 Encogen	160	160	160	160	160	160	160	160	160	160	160	160	160	160
21 Frederickson CT	125	125	125	125	125	125	125	125	125	125	125	125	125	125
22 Fredonia 1&2	210	210	210	210	210	210	210	210	210	210	210	210	210	210
23 Fredonia 3&4	108	108	108	108	108	108	108	108	108	108	108	108	108	108
24 Fredrickson 1&2	150	150	150	150	150	150	150	150	150	150	150	150	150	150
25 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	0	6.9
26 Northeastern 1 & 2	50	50	52	53	55	56	56	56	55	53	53	52	51	50
27 Port Westward CCCT	415	415	415	415	415	415	415	415	415	415	415	0	415	415
28 Whitehorn 2 & 3	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 Total Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
<i>-Other Entities-</i>														
30 Chehalis Generation Facility CCCT	520	520	520	520	520	520	520	520	520	520	520	520	0	520
31 Frederickson CT	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
32 Goldendale Energy Center	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
34 Lancaster Power Project (Rathdrum)	270	270	270	270	270	270	270	270	270	0	0	270	270	270
35 Total Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
<i>-Combustion Turbines-</i>														
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	507	507	508	511	515	517	517	516	515	512	512	452	510	507
38 Investor-Owned Entities	2463	2463	2474	2492	2508	2518	2521	2515	2506	2495	2495	1814	2465	2459
39 Other Entities	1138	1138	1138	1138	1138	1138	1138	1138	1138	768	768	790	518	1138
40 Total Combustion Turbines	4108	4108	4121	4141	4162	4174	4176	4169	4159	3775	3775	3057	3493	4105

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Table A-8
Renewable Resources
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	0	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	43	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	51	51	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	51	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	51	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	94	92	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	0	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	43	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	51	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	94	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	0	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	43	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	51	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	94	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	51	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	94	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	0	51	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	51	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	51	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	43	92	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	51	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	51	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	94	42	91

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Georgia-Pacific Paper (Wauna)	25	25	25	27	29	30	32	31	30	29	29	27	26	24
2 Total Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>-Public Entities-</i>														
3 Coffin Butte	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 Roosevelt Landfill	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5 Short Mountain	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
6 Total Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
<i>-Investor-Owned Entities-</i>														
7 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Kettle Falls	51	51	51	51	51	51	51	51	51	51	51	0	0	51
9 Total Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
<i>-Other Entities-</i>														
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>														
11 Federal System	25	25	25	27	29	30	32	31	30	29	29	27	26	24
12 Public Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 Investor-Owned Entities	51	51	51	51	51	51	51	51	51	51	51	0	0	51
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	91	91	91	94	95	97	98	98	97	96	96	43	42	91

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Table A-9
Cogeneration
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	0	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	813	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	813	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	1992	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal System-</i>														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>														
2 WEYCO Energy Center	20	20	20	20	20	0	20	20	20	20	20	20	20	0
3 Total Public Entities	20	20	20	20	20	0	20	20	20	20	20	20	20	0
<i>-Investor_Owned Entities-</i>														
4 Coyote Springs #1	218	218	223	230	237	242	242	239	235	231	231	226	221	217
5 Coyote Springs #2	274	274	280	286	291	67	294	292	289	286	286	282	278	273
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
9 Total Investor-Owned Entities	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
<i>-Other Entities-</i>														
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
14 Total Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
<i>-Cogeneration-</i>														
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	1025	1025	1036	1049	1061	842	1068	1064	1057	1050	1050	520	1032	1023
18 Other Entities	1159	1159	1159	1159	1159	1159	1159	1159	529	1159	1159	1159	1159	1159
19 Total Cogeneration	2204	2204	2215	2228	2240	2001	2248	2243	1606	2229	2229	1699	2211	2182

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Table A-10
Large Thermal
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	154	154	0	0	160	160	160	160	160	160	160	160	160	160
11 Colstrip #1: Regional Total	154	154	0	0	160	160	160	160	160	160	160	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	0	160	160	160
13 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	0	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	0	0	115
15 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	0	0	77
16 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	0	0	153
17 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	0	0	191
18 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	0	0	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	0	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	0	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	0	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	0	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	0	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	0	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,839	5,839	5,685	5,685	5,845	5,845	5,845	5,845	5,845	5,845	5,161	3,076	4,273	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,047	7,047	6,894	6,894	7,053	7,053	7,053	7,053	7,053	7,053	6,370	3,076	4,331	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	0	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	0	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	0	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	0	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	0	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	0	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	0	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	0	0	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	0	0	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	0	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	0	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	0	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	0	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,182	3,982	5,179	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,332	5,132	6,387	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	0	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	0	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	0	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	0	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	0	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	0	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	0	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	0	0	0	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	0	0	0	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	0	0	0	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	0	0	0	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	0	0	0	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	0	0	0	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	0	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	0	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	0	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	0	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	4,573	4,047	3,377	5,709	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	5,782	5,197	3,377	5,767	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	0	0	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	0	0	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	0	0	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	0	0	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	0	0	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	0	0	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,198	5,198	4,806	5,333	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,407	6,407	5,956	6,541	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	0	0	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	0	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	0	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	0	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	0	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	0	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	0	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	0	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	0	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	0	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	0	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	0	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	0	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	0	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	4,668	4,509	4,812	5,179	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	5,877	5,717	4,812	5,237	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	0	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	0	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	0	0	0	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	0	0	0	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	0	0	0	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	0	0	0	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	0	0	0	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	0	0	0	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,103	5,103	3,377	5,709	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,312	6,312	4,527	6,917	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2012 - 2013 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	0	0	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	0	0	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	0	0	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	0	0	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	0	0	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	0	0	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	0	0	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	0	0	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2012 - 2013 Operating Years
[37] 2006 White Book (Final)

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3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,338	4,808	4,136	5,333	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,547	6,017	4,136	5,391	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	0	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	0	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	0	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	0	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,709	4,672	5,709	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,917	5,822	6,917	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	0	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	0	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	536	536	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	0	0	0	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	0	0	0	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	0	0	0	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	0	0	0	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	0	0	0	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	0	0	0	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	0	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	0	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	0	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	0	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	0	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	0	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	0	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	0	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	0	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	0	0	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	4,573	4,573	3,377	5,179	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	5,782	5,782	3,377	5,237	7,077

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Boardman: Coal														
1 Idaho Power Company	59	59	59	59	59	59	59	59	59	59	59	0	59	59
2 Portland General Electric	381	381	381	381	381	381	381	381	381	381	381	0	381	381
3 San Diego Gas & Electric	87	87	87	87	87	87	87	87	87	87	87	0	87	87
4 Turlock Irrigation District	59	59	59	59	59	59	59	59	59	59	59	0	59	59
5 Boardman: Regional Total	585	585	585	585	585	585	585	585	585	585	585	0	585	585
Centralia #1: Coal														
6 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	0	0	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
Centralia #2: Coal														
8 Trans Alta Utilities Corp	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
Colstrip #1: Coal														
10 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
11 Colstrip #1: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #2: Coal														
12 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	160	160	160
13 Colstrip #2: Regional Total	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Colstrip #3: Coal														
14 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	0	0	115
15 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	0	0	77
16 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	0	0	153
17 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	0	0	191
18 Colstrip #3: Regional Total	536	536	536	536	536	536	536	536	536	536	536	0	0	536
Colstrip #4: Coal														
19 Avista Corp (WWP Division)	115	115	115	115	115	115	115	115	115	115	115	115	115	115
20 Northwestern Energy LLC (MPC)	230	230	230	230	230	230	230	230	230	230	230	230	230	230
21 Pacific Power	77	77	77	77	77	77	77	77	77	77	77	77	77	77
22 Portland General Electric	153	153	153	153	153	153	153	153	153	153	153	153	153	153
23 Puget Sound Energy	191	191	191	191	191	191	191	191	191	191	191	191	191	191
24 Colstrip #4: Regional Total	765	765	765	765	765	765	765	765	765	765	765	765	765	765
Columbia Generating Station: Uranium														
25 BPA - Power Business	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
26 Columbia Gen. Sta.: Reg. Total	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Jim Bridger #1: Coal														
27 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
28 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
29 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
Jim Bridger #2: Coal														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>Jim Bridger #3: Coal</i>														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
<i>Jim Bridger #4: Coal</i>														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	0	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	0	353	353
38 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	530	530
<i>Valmy #1: Coal</i>														
39 Idaho Power Company	129	129	129	129	129	129	129	129	129	129	129	129	129	129
40 Valmy #1: Regional Total	129	129	129	129	129	129	129	129	129	129	129	129	129	129
<i>Valmy #2: Coal</i>														
41 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
42 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
<i>Total Large Thermal</i>														
43 Federal System	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
44 Public Entities	59	59	59	59	59	59	59	59	59	59	59	0	59	59
45 Investor-Owned Entities	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,868	5,198	5,198	4,276	5,333	5,868
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	7,077	6,407	6,407	5,426	6,541	7,077

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Table A-11
Restoration
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

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

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Table A-12
Canadian Entitlement Return for CSPE
Monthly OY 2007 – 2016
Capacity in Megawatts

Power Business Line

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

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Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

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

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Table A-14
Supplemental & Entitlement Capacity
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

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

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Table A-15
Canadian Entitlement Return for Canada
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

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Loads and Resources Information System

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-BPA Canada-</i>														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>														
2 AVWP to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
6 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
7 FREC to BPA	0	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	31	31	31	31	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	0	0	0	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	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
15 MTRF to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
16 NLEC to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
18 PPL to BPA	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
19 PSE to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	2	2	2	2	2	2	2	2	2	2.0	2.0	2.0	2.0	2.0
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	3.5	3.5	3.5	3.5	3	3	3	3	3	2.9	2.9	2.9	2.9	2.9
26 Priest Rapids: Regional Totals	50	50	50	50	50	50	50	50	50	49	49	49	49	49
<i>-Wanapum CER for Canada-</i>														
27 AVWP to BPA	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
28 COPD to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
31 FGRV to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	18	18	18	18	18	18	18	18	18	17	17	17	17	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MCMN to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
40 MTRF to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.8	8.8	8.8	8.8	8.8
43 PPL to BPA	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.8	8.8	8.8	8.8	8.8
44 PSE to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	48	48	48	48	48	48	48	48	48	47	47	47	47	47

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Rock Island P.H. #1 CER for Canada-</i>														
52 CHPD to BPA	9	9	9	9	9	9	9	9	9	9	9	9	9	9
53 PSE to BPA	9	9	9	9	9	9	9	9	9	9	9	9	9	9
54 Rock Island P.H. #1: Regional Totals	18	18	18	18	18	18	18	18	18	18	18	18	18	18
<i>-Rock Island P.H. #2 CER for Canada-</i>														
55 CHPD to BPA	6	6	6	6	6	6	6	6	6	5.5	5.5	5.5	5.5	5.5
56 PSE to BPA	6	6	6	6	6	6	6	6	6	5.5	5.5	5.5	5.5	5.5
57 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	11	11	11	11	11
<i>-Rocky Reach CER for Canada-</i>														
58 AVWP to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
59 CHPD to BPA	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.5	9.5	9.5	9.5	9.5
60 CLKM to BPA	15	15	15	15	15	15	15	15	15	14	14	14	14	14
61 DOPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
62 PGE to BPA	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.6	7.6	7.6	7.6	7.6
63 PPL to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
64 PSE to BPA	25	25	25	25	25	25	25	25	25	25	25	25	25	25
65 Rocky Reach: Regional Totals	65	65	65	65	65	65	65	65	65	63	63	63	63	63
<i>-Wells CER for Canada-</i>														
66 AVWP to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3
67 COLV to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
68 DOPD to BPA	12	12	12	12	12	12	12	12	12	11	11	11	11	11
69 OKPD to BPA	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
70 PGE to BPA	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8
71 PPL to BPA	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6
72 PSE to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
73 Wells: Regional Totals	41	41	41	41	41	41	41	41	41	40	40	40	40	40
<i>-Total CER For Canada-</i>														
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	99	99	99	99	100	100	100	100	100	98	98	98	98	98
76 Investor-Owned Entities	116	116	116	116	116	116	116	116	116	113	113	113	113	113
77 Other Entities	18	18	18	18	18	18	18	18	18	17	17	17	17	17
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	234	234	234	234	234	234	234	234	234	228	228	228	228	228

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
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[37] 2006 White Book (Final)

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
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[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
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[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
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[37] 2006 White Book (Final)

Continued

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

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

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

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

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Table A-16
Intra-Regional Transfers
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	0	0	0	17	17	17	17	17	17	17	17	17	17	17
5 BPA To EWEB PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
6 BPA To Other Entities	329	329	79	0	0	0	0	0	0	0	0	0	0	0
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 PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
9 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
10 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
12 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA To TPU PwrX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CCPD To Other Entities	0	0	0	17	17	17	17	17	17	17	17	17	17	17
15 CHPD To PGE S/N/X	50	50	50	25	0	0	0	0	0	0	0	0	50	50
16 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
17 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 ENW To BCPD PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
19 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
21 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To AVWP PwrS	18	18	16	19	19	19	17	18	18	26	26	32	32	28
23 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	9	9	8
24 GCPD To FGRV PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
25 GCPD To FREC PwrS	0	0	0	0	1	1	0	0	0	1	1	1	1	1
26 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
27 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 GCPD To MCMN PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
31 GCPD To MTRF PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2
32 GCPD To PGE PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63
33 GCPD To PPL PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63
34 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
35 GCPD To PSE PwrS	23	23	21	25	25	25	23	23	23	34	34	42	42	36
36 GCPD To TPU PwrS	19	19	17	20	20	20	18	18	18	27	27	33	33	29
37 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
38 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
39 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
40 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
41 Other Entities To BPA	803	803	803	375	375	375	0	0	0	0	0	0	0	0
42 Other Entities To DOPD	14	14	14	22	39	39	39	39	22	14	14	14	14	14
43 Other Entities To GHPD	15	15	15	0	0	0	0	0	0	0	0	0	0	0
44 Other Entities To PGE	95	95	95	220	520	620	620	620	520	520	520	220	220	220
45 Other Entities To PPL	400	400	400	400	400	400	400	400	400	400	400	400	400	0
46 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50 PKE To SCL PwrS	100	100	100	100	100	100	0	0	0	0	0	0	0	0
51 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
52 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
55 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
56 PPL To FLHD PwrS	16	16	16	0	0	0	0	0	0	0	0	0	0	0
57 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
58 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
60 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 SHPD To PSE PwrS	12	12	12	12	12	12	16	14	12	12	12	12	12	12
62 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
63 TPU To BPA PwrX	35	35	35	0	0	0	0	0	0	0	0	0	0	0
64 Total Contracts	3337	3337	3109	2766	3274	3406	2890	2845	2620	2659	2659	2251	2258	1938
-Total Contracts Out-														
65 Federal System	918	918	697	700	917	971	945	901	791	764	764	592	645	660
66 Public Entities	348	348	317	298	276	276	261	260	262	333	333	397	451	416
67 Investor-Owned Entities	1137	1137	1160	1051	1048	1025	1025	1025	1025	1028	1028	1028	928	628
68 Other Entities	934	934	934	717	1034	1134	659	659	542	534	534	234	234	234
69 Total Contracts Out	3337	3337	3109	2766	3274	3406	2890	2845	2620	2659	2659	2251	2258	1938
-Total Contracts In-														
70 Federal System	859	859	882	419	415	392	17	17	17	21	21	21	21	21
71 Public Entities	287	287	307	280	298	298	192	192	178	182	182	194	194	185
72 Investor-Owned Entities	1867	1867	1870	2050	2544	2698	2664	2619	2407	2439	2439	2019	2026	1715
73 Other Entities	325	325	50	17	17	17	17	17	17	17	17	17	17	17
74 Total Contracts In	3337	3337	3109	2766	3274	3406	2890	2845	2620	2659	2659	2251	2258	1938

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	50	50	50	25	0	0	0	0	0	0	0	0	50	50
12 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
19 GCPD To FGRV PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
21 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
22 GCPD To KOOT 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 LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 GCPD To MCMN PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
26 GCPD To MTRF PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
28 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
29 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36
31 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29
32 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
34 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	16	16	16	24	42	42	42	42	24	16	16	16	16	16
37 Other Entities To PGE	220	220	220	220	520	620	620	620	520	520	520	220	220	220
38 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
42 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
44 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
45 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
47 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55
48 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
50 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 SHPD To PSE PwrS	12	12	12	12	12	16	16	14	12	12	12	12	12	12
52 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
53 Total Contracts	1815	1815	1846	1893	2402	2535	2493	2448	2222	2261	2261	1753	1961	1940
<i>-Total Contracts Out-</i>														
54 Federal System	605	605	634	700	917	971	945	901	791	764	764	592	645	660

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 Public Entities	346	346	324	298	276	277	261	260	262	333	333	397	451	416
56 Investor-Owned Entities	628	628	651	651	648	625	625	625	625	628	628	528	628	628
57 Other Entities	236	236	236	244	562	662	662	662	544	536	536	236	236	236
58 Total Contracts Out	1815	1815	1846	1893	2402	2535	2493	2448	2222	2261	2261	1753	1961	1940
<i>-Total Contracts In-</i>														
59 Federal System	21	21	44	44	40	17	17	17	17	21	21	21	21	21
60 Public Entities	177	177	175	182	201	198	195	195	180	184	184	196	196	187
61 Investor-Owned Entities	1601	1601	1610	1650	2144	2303	2264	2219	2007	2039	2039	1519	1727	1715
62 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
63 Total Contracts In	1815	1815	1846	1893	2402	2535	2493	2448	2222	2261	2261	1753	1961	1940

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	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/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	50	50	50	25	0	0	0	0	0	0	0	0	50	50
12 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
19 GCPD To FGRV PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
21 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1
22 GCPD To KOOT 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 LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MCMN PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
26 GCPD To MTRF PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
28 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63
29 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36
31 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29
32 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
34 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	17	17	17	27	47	47	47	47	27	17	17	17	17	17
37 Other Entities To PGE	220	220	220	220	520	620	620	620	520	520	520	220	220	220
38 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
43 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	0	0
44 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
47 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55
48 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
50 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 SHPD To PSE PwrS	11	11	11	11	12	16	16	14	12	11	11	11	11	11
52 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
53 Total Contracts	1816	1816	1845	1894	2406	2542	2497	2452	2224	2260	2260	1852	1849	1929
<i>-Total Contracts Out-</i>														
54 Federal System	605	605	634	700	917	971	945	901	791	764	764	592	645	660

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 Public Entities	345	345	323	296	274	279	260	259	261	331	331	395	449	414
56 Investor-Owned Entities	628	628	651	651	648	625	625	625	625	628	628	628	518	618
57 Other Entities	237	237	237	247	567	667	667	667	547	537	537	237	237	237
58 Total Contracts Out	1816	1816	1845	1894	2406	2542	2497	2452	2224	2260	2260	1852	1849	1929
<i>-Total Contracts In-</i>														
59 Federal System	21	21	44	44	40	17	17	17	17	21	21	21	11	11
60 Public Entities	178	178	176	184	205	205	199	199	182	184	184	196	196	187
61 Investor-Owned Entities	1600	1600	1608	1649	2144	2303	2264	2219	2007	2038	2038	1618	1625	1714
62 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
63 Total Contracts In	1816	1816	1845	1894	2406	2542	2497	2452	2224	2260	2260	1852	1849	1929

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	50	50	50	25	0	0	0	0	0	0	0	0	50	50
12 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
19 GCPD To FGRV PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
21 GCPD To KITT PwrS	1	1	1	1	1	1	0	0	0	1	1	1	1	1
22 GCPD To KOOT 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 LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MCMN PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
26 GCPD To MTRF PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63
28 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
29 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36
31 GCPD To TPU PwrS	21	21	20	20	11	11	10	10	10	15	15	18	18	15
32 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
34 NWE To PSE PwrS	97	97	97	97	97	97	97	97	97	97	97	97	97	97
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	19	19	19	29	51	51	51	51	29	19	19	19	19	19
37 Other Entities To PGE	220	220	220	220	520	620	595	595	495	495	495	195	195	195
38 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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 S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
44 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
46 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55
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 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 SHPD To PSE PwrS	11	11	11	11	12	16	16	14	0	0	0	0	0	0
51 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	100	100	201	201	201
52 Total Contracts	1807	1807	1836	1886	2388	2524	2457	2411	2166	2101	2101	1787	1895	1880
<i>-Total Contracts Out-</i>														
53 Federal System	605	605	634	700	917	971	945	901	791	764	764	592	645	660
54 Public Entities	344	344	322	296	262	267	251	249	237	306	306	363	417	388

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 [37] 2006 White Book (Final)

Continued

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 Investor-Owned Entities	618	618	641	641	638	615	615	615	615	518	518	618	618	618
56 Other Entities	239	239	239	249	571	671	646	646	524	514	514	214	214	214
57 Total Contracts Out	1807	1807	1836	1886	2388	2524	2457	2411	2166	2101	2101	1787	1895	1880
<i>-Total Contracts In-</i>														
58 Federal System	11	11	34	34	30	7.5	7.5	7.5	7.5	11	11	11	11	11
59 Public Entities	179	179	177	186	197	197	194	194	172	174	174	179	179	175
60 Investor-Owned Entities	1600	1600	1609	1649	2144	2303	2238	2193	1970	1899	1899	1580	1688	1677
61 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
62 Total Contracts In	1807	1807	1836	1886	2388	2524	2457	2411	2166	2101	2101	1787	1895	1880

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
6 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
7 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	50	50	50	25	0	0	0	0	0	0	0	0	0	0
12 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	19	20
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	31	27
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8
19 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
21 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1
22 GCPD To KOOT 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 LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MCMN PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
26 GCPD To MTRF PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63
28 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
29 GCPD To PPL PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	63
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36
31 GCPD To TPU PwrS	11	11	11	10	11	11	10	10	10	15	15	18	18	15
32 NWCP To PSE PwrS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
34 NWE To PSE PwrS	97	97	97	97	97	97	0	0	0	0	0	0	0	0
35 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0
36 Other Entities To DOPD	21	21	21	32	56	56	56	56	32	21	21	21	21	21
37 Other Entities To PGE	195	195	195	195	495	495	495	495	495	495	495	195	195	195
38 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
43 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
46 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55
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 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	100	100	201	201
51 Total Contracts	1762	1762	1790	1838	2356	2388	2149	2106	1972	2007	1906	1492	1650	1635
<i>-Total Contracts Out-</i>														
52 Federal System	605	605	634	700	917	971	945	901	791	764	764	592	645	660
53 Public Entities	323	323	298	270	251	251	236	237	237	306	306	363	367	337
54 Investor-Owned Entities	618	618	641	641	638	615	518	518	518	521	421	421	521	521

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55 Other Entities	216	216	216	227	551	551	451	451	427	416	416	116	116	116
56 Total Contracts Out	1762	1762	1790	1838	2356	2388	2149	2106	1972	2007	1906	1492	1650	1635
<i>-Total Contracts In-</i>														
57 Federal System	11	11	34	34	30	7.5	7.5	7.5	7.5	11	11	11	11	11
58 Public Entities	171	171	166	175	202	202	199	199	175	176	176	181	181	177
59 Investor-Owned Entities	1564	1564	1573	1612	2107	2162	1926	1883	1773	1803	1702	1283	1441	1430
60 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17
61 Total Contracts In	1762	1762	1790	1838	2356	2388	2149	2106	1972	2007	1906	1492	1650	1635

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To CCPD PwrS	17	17	17	0	0	0	0	0	0	0	0	0	0	0
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
6 BPA To PPL CapS	575	575	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
10 CCPD To Other Entities	17	17	17	0	0	0	0	0	0	0	0	0	0	0
11 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
14 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
15 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 GCPD To AVWP PwrS	20	20	19	0	0	0	0	0	0	0	0	0	0	0
17 GCPD To EWEB PwrS	6	6	5	0	0	0	0	0	0	0	0	0	0	0
18 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
19 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
20 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0
21 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
24 GCPD To MCMN PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MTRF PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
26 GCPD To PGE PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0
27 GCPD To PPL PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0
28 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
29 GCPD To PSE PwrS	26	26	25	0	0	0	0	0	0	0	0	0	0	0
30 GCPD To TPU PwrS	11	11	11	0	0	0	0	0	0	0	0	0	0	0
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 Other Entities To DOPD	12	12	12	19	33	33	33	33	19	12	12	12	12	12
34 Other Entities To PGE	195	195	195	170	170	170	170	170	170	170	170	170	170	170
35 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
38 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
41 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
42 PPL To SCL RenStg	55	55	55	55	55	55	55	55	0	0	0	0	0	0
43 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
45 SCL To PPL RenStg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
47 Total Contracts	1506	1506	959	820	1047	1079	1052	1008	829	799	799	539	699	715
<i>-Total Contracts Out-</i>														
48 Federal System	605	605	59	108	325	379	353	309	199	172	172	0.1	53	68
49 Public Entities	273	273	248	79	79	79	79	79	79	79	79	91	97	99
50 Investor-Owned Entities	521	521	544	544	541	518	518	518	463	466	466	366	466	466
51 Other Entities	107	107	107	89	103	103	103	103	89	82	82	82	82	82
52 Total Contracts Out	1506	1506	959	820	1047	1079	1052	1008	829	799	799	539	699	715

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Total Contracts In-</i>														
53 Federal System	11	11	34	34	30	7.5	7.5	7.5	7.5	11	11	11	11	11
54 Public Entities	162	162	157	125	139	139	139	139	70	63	63	63	63	63
55 Investor-Owned Entities	1317	1317	751	661	878	932	906	862	752	725	725	465	625	641
56 Other Entities	17	17	17	0	0	0	0	0	0	0	0	0	0	0
57 Total Contracts In	1506	1506	959	820	1047	1079	1052	1008	829	799	799	539	699	715

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
5 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
7 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
8 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
12 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
14 NWCP To PSE PwrS	4	4	4	4	4	4	0	0	0	0	0	0	0	0
15 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
16 Other Entities To DOPD	14	14	14	22	39	39	39	39	22	14	14	14	14	14
17 Other Entities To PGE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
18 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
21 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
23 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
24 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
26 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
27 Total Contracts	656	656	695	768	998	1030	999	955	828	797	797	637	596	713
<i>-Total Contracts Out-</i>														
28 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	53	68
29 Public Entities	93	93	79	79	79	79	75	75	75	75	75	87	93	95
30 Investor-Owned Entities	466	466	489	489	486	463	463	463	463	466	466	466	366	466
31 Other Entities	84	84	84	92	109	109	109	109	92	84	84	84	84	84
32 Total Contracts Out	656	656	695	768	998	1030	999	955	828	797	797	637	596	713
<i>-Total Contracts In-</i>														
33 Federal System	11	11	34	34	30	7.5	7.5	7.5	7.5	11	11	11	11	11
34 Public Entities	65	65	65	73	90	90	90	90	73	65	65	65	65	65
35 Investor-Owned Entities	581	581	596	661	878	932	902	858	748	721	721	561	520	637
36 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Contracts In	656	656	695	768	998	1030	999	955	828	797	797	637	596	713

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	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	15	15	0.3	0	0	0	0	0	0	0	0	12	18	20
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	0
11 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
12 FPLEV To PGE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
14 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
15 Other Entities To DOPD	16	16	16	24	42	42	42	42	24	16	16	16	16	16
16 Other Entities To PGE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
17 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE To EWEB PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
20 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
22 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
23 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
25 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
26 Total Contracts	655	655	692	766	997	1029	1002	958	830	799	799	539	664	671
<i>-Total Contracts Out-</i>														
27 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
28 Public Entities	89	89	75	75	75	75	75	75	75	75	75	87	93	85
29 Investor-Owned Entities	466	466	489	489	486	463	463	463	463	466	466	366	466	466
30 Other Entities	86	86	86	94	112	112	112	112	94	86	86	86	86	86
31 Total Contracts Out	655	655	692	766	997	1029	1002	958	830	799	799	539	664	671
<i>-Total Contracts In-</i>														
32 Federal System	11	11	34	34	30	7.5	7.5	7.5	7.5	11	11	11	11	11
33 Public Entities	67	67	67	75	93	93	93	93	75	67	67	67	67	67
34 Investor-Owned Entities	577	577	592	657	874	928	902	858	748	721	721	461	586	593
35 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Contracts In	655	655	692	766	997	1029	1002	958	830	799	799	539	664	671

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
6 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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 Other Entities To DOPD	18	18	18	27	47	47	47	47	27	18	18	18	18	18
13 Other Entities To PGE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
14 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
17 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
19 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
20 Total Contracts	647	647	661	736	969	1024	997	953	823	791	791	631	555	673
<i>-Total Contracts Out-</i>														
21 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
22 Public Entities	80	80	65	65	65	65	65	65	65	65	65	77	83	85
23 Investor-Owned Entities	466	466	466	466	463	463	463	463	463	466	466	466	366	466
24 Other Entities	88	88	88	97	117	117	117	117	97	88	88	88	88	88
25 Total Contracts Out	647	647	661	736	969	1024	997	953	823	791	791	631	555	673
<i>-Total Contracts In-</i>														
26 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
27 Public Entities	69	69	69	78	98	98	98	98	78	69	69	69	69	69
28 Investor-Owned Entities	567	567	581	647	864	918	892	848	738	711	711	551	475	593
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Contracts In	647	647	661	736	969	1024	997	953	823	791	791	631	555	673

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Intra-Regional Transfers-</i>														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34
5 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
6 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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 Other Entities To DOPD	20	20	20	30	53	53	53	53	30	20	20	20	20	20
13 Other Entities To PGE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
14 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
17 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
19 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	100	100	201	201	201
20 Total Contracts	649	649	663	739	975	1030	1003	959	826	692	692	633	658	675
<i>-Total Contracts Out-</i>														
21 Federal System	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
22 Public Entities	79	79	65	65	65	65	65	65	65	65	65	77	83	84
23 Investor-Owned Entities	466	466	466	466	463	463	463	463	463	366	366	466	466	466
24 Other Entities	90	90	90	100	123	123	123	123	100	90	90	90	90	90
25 Total Contracts Out	649	649	663	739	975	1030	1003	959	826	692	692	633	658	675
<i>-Total Contracts In-</i>														
26 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
27 Public Entities	71	71	71	81	104	104	104	104	81	71	71	71	71	71
28 Investor-Owned Entities	567	567	582	647	864	918	892	848	738	610	610	551	576	593
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Contracts In	649	649	663	739	975	1030	1003	959	826	692	692	633	658	675

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Table A-17
Capacity Reserves
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1046	1041	1058	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1046	1041	1058	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.1	6.1	5.8	6.2	5.8	5.2	4.9	4.7	4.9	4.9	5.0	1.9	6.1	6.1
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.5	4.5	4.6	4.5	4.3	4.2	4.0	4.4	5.5	6.3	6.3	8.1	7.5	5.8
9 Grant County PUD #2	44	44	44	44	44	44	44	44	44	44	44	44	44	44
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	83	80	84	78	83	83	82	81	81	80	80	85	91	83
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	33	33	40	35	39	36	31	26	22	24	30	17	36	34
16 Total Generating Public Entities	224	222	232	221	229	226	219	214	208	212	218	209	238	226
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 Forest Grove, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29 Franklin County PUD #1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	0	0	0.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.1	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
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40 Milton-Freewater, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41 Northern Lights	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Total Non-Generating Public Entities	6.9	6.9	7.4	8.2	8.5	8.5	8.6	8.6	8.8	8.2	8.2	8.4	8.4	8.4
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	56	56	56	56	56	55	55	54	55	55	55	54	55	55
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Northwestern Energy LLC (MPC)	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0	0

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Pacific Power	61	61	59	60	59	56	54	52	54	55	56	41	61	61
55 Portland General Electric	51	51	51	51	51	52	51	51	51	51	51	51	50	50
56 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
57 Puget Sound Energy	71	71	71	69	71	71	70	69	69	69	69	69	70	71
58 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
59 Total Investor-Owned Entities	334	333	337	332	324	329	322	320	320	328	329	311	328	331
-Other Entities-														
60 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
61 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Unspecified Marketer	3.2	3.2	3.2	3.2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
63 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
64 Total Other Entities	25	25	25	25	24	24	24	24	24	24	24	24	24	24
Small Thermal & Misc. Reserves														
-Federal Entities-														
65 BPA - Power Business	2.9	2.9	2.1	3.0	3.5	3.1	3.2	3.2	3.1	3.1	3.1	3.8	2.9	2.7
66 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 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
68 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
69 Total Federal Entities	4.4	4.4	3.6	4.5	5.0	4.6	4.7	4.7	4.6	4.6	4.6	5.3	4.4	4.2
-Generating Public Entities-														
70 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
72 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
75 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
76 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
77 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
79 Snohomish County PUD #1	2.2	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
80 Springfield Utility Board	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
81 Tacoma Public Utilities	2.7	2.7	1.7	0.8	0	0	0	0	0.2	1.7	1.7	2.4	2.8	3.0
82 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
-Non-Generating Public Entities-														
83 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85 Clallam County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
86 Clatskanie PUD	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0	0.6	0.6
87 Consumers Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
88 Emerald County PUD	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
89 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
92 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	8.0	8	8	8	8	8	8	8	8	6.4	8	8.0
-Investor-Owned Entities-														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	30	29	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 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
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	37	37	27	39	40	41	41	41	40	40	40	60	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	58	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	210	210	199	210	211	200	211	211	211	208	208	177	230	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	17	17	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	128	92	101	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	235	182	117	117	235
132 Portland General Electric	102	102	102	102	102	102	102	102	102	102	102	23	80	103
133 Puget Sound Energy	102	102	79	79	103	103	103	103	103	103	80	77	77	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	876	876	853	853	877	877	877	877	877	877	774	461	641	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	35	30	30	30	22	31	27	27	18	17	19	38	44	37
142 Pacific Power	19	19	20	20	24	26	25	23	17	18	18	13	21	21
143 Total Investor-Owned Entities	54	49	50	50	46	57	52	50	35	35	37	51	66	58
<i>-Other Entities-</i>														
144 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
145 Total Hydro Reserves	1636	1627	1659	1648	1658	1645	1629	1624	1603	1577	1568	1576	1660	1652
146 Total Small Thermal & Misc Reserves	370	369	355	365	364	352	364	364	333	347	347	319	362	392
147 Total Large Thermal Reserves	1057	1057	1034	1034	1058	1058	1058	1058	1058	1058	955	461	650	1061
148 Total Contract Reserves	54	49	50	50	46	57	52	50	35	35	37	51	66	58
149 Total Capacity Reserves	3117	3102	3098	3096	3126	3112	3102	3096	3029	3017	2908	2407	2737	3163

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1045	1040	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1045	1040	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.1	6.1	5.8	6.2	5.8	5.2	4.9	4.7	4.9	5.0	5.0	1.9	6.1	6.1
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.5	4.5	4.6	4.5	4.3	4.2	4.0	4.4	5.5	6.3	6.3	8.1	7.5	5.8
9 Grant County PUD #2	44	44	44	44	44	44	44	44	44	44	44	44	44	44
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	83	80	84	78	83	83	82	81	81	80	80	85	91	83
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	33	33	40	35	39	36	31	26	22	24	30	17	36	34
16 Total Generating Public Entities	224	222	232	221	229	226	219	214	208	212	218	209	238	226
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 Forest Grove, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29 Franklin County PUD #1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40 Milton-Freewater, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41 Northern Lights	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Total Non-Generating Public Entities	8.3	8.3	8.8	8.7	8.5	8.5	8.6	8.6	8.8	8.2	8.2	8.4	8.4	8.4
-Investor-Owned Entities-														
51 Avista Power (WWP Division)	56	56	56	56	56	55	55	54	55	55	55	54	55	55
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	61	61	59	60	59	56	54	52	54	55	56	41	61	61

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	50	50	50	50	50	51	51	51	51	51	51	51	50	50
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	71	71	71	69	71	71	70	69	69	69	69	69	70	71
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	333	332	336	331	323	328	322	320	320	328	329	311	328	331
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	2.9	2.9	2.1	3.0	3.5	3.1	3.2	3.2	3.1	3.1	3.1	3.8	2.9	2.7
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	4.4	4.4	3.6	4.5	5.0	4.6	4.7	4.7	4.6	4.6	4.6	5.3	4.4	4.2
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	0	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	18	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	8.0	8	8	8	8	8	8	8	8	6.4	8	8.0
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	32	32	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 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
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	232	221	232	232	232	229	229	171	233	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	145	119	128	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	235	235	182	182	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	46	46	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	81	81	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	0	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	880	777	597	777	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	36	31	30	31	23	31	28	28	19	18	20	39	45	37
142 Pacific Power	24	24	15	20	23	30	21	27	22	22	22	20	25	27
143 Total Investor-Owned Entities	60	55	45	52	46	61	49	55	40	40	42	59	71	64
<i>-Other Entities-</i>														
144 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
145 Total Hydro Reserves	1635	1626	1657	1647	1657	1644	1629	1624	1603	1577	1568	1576	1660	1652
146 Total Small Thermal & Misc Reserves	390	390	387	385	385	373	384	385	354	368	368	301	364	392
147 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	950	770	958	1061
148 Total Contract Reserves	60	55	45	52	46	61	49	55	40	40	42	59	71	64
149 Total Capacity Reserves	3147	3132	3151	3145	3149	3140	3124	3125	3059	3046	2928	2706	3053	3170

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1045	1040	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1045	1040	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.1	6.1	5.8	6.2	5.8	5.2	4.9	4.7	4.9	5.0	5.0	1.9	6.1	6.1
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.5	4.5	4.6	4.5	4.3	4.2	4.0	4.4	5.5	6.3	6.3	8.1	7.5	5.8
9 Grant County PUD #2	44	44	44	44	44	44	44	44	44	44	44	44	44	44
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	83	80	84	78	83	83	82	81	81	80	80	85	91	83
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	33	33	40	35	39	36	31	26	22	24	30	17	36	34
16 Total Generating Public Entities	224	222	232	221	229	226	219	214	208	212	218	209	238	226
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 Forest Grove, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29 Franklin County PUD #1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40 Milton-Freewater, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41 Northern Lights	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Total Non-Generating Public Entities	8.3	8.3	8.8	8.7	8.5	8.5	8.6	8.6	8.8	8.2	8.2	8.4	8.4	8.4
-Investor-Owned Entities-														
51 Avista Power (WWP Division)	56	56	56	56	56	55	55	54	55	55	55	54	55	55
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	61	61	59	60	58	56	53	52	53	54	55	41	60	61

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	50	50	50	50	50	51	51	51	51	51	51	51	50	50
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	71	71	71	69	71	71	70	69	69	69	69	69	70	71
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	333	332	336	331	323	327	322	320	319	328	329	310	327	331
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	2.9	2.9	2.1	3.0	3.5	3.1	3.2	3.2	3.1	3.1	3.1	3.8	2.9	2.7
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	4.4	4.4	3.6	4.5	5.0	4.6	4.7	4.7	4.6	4.6	4.6	5.3	4.4	4.2
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	8.0	8	8	8	8	8	8	8	8	6.4	8	8.0
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	30	29	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 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
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	232	221	232	232	232	229	229	168	230	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	17	17	17	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	128	119	119	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	0	0	0	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	170	170	170	235	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	80	23	23	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	77	77	77	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	0	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	686	607	506	856	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
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 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	36	61	60	32	24	32	29	29	19	19	21	40	32	38
142 Pacific Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Total Investor-Owned Entities	36	61	60	32	24	32	29	29	19	19	21	40	32	38
<i>-Other Entities-</i>														
144 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
145 Total Hydro Reserves	1635	1626	1657	1647	1656	1644	1629	1623	1603	1577	1568	1576	1659	1651
146 Total Small Thermal & Misc Reserves	390	390	387	385	385	373	384	385	354	368	368	310	362	392
147 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	867	779	506	865	1061
148 Total Contract Reserves	36	61	60	32	24	32	29	29	19	19	21	40	32	38
149 Total Capacity Reserves	3123	3138	3167	3125	3126	3110	3103	3099	3037	2830	2736	2432	2918	3144

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.1	6.1	5.8	6.2	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.5	4.5	4.6	4.5	4.2	4.1	3.4	3.8	5.0	5.8	5.7	7.5	6.9	5.3
9 Grant County PUD #2	44	44	44	44	37	37	52	52	52	52	52	52	52	52
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	83	80	84	78	88	89	85	84	84	84	84	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	33	33	40	35	43	40	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	224	222	232	221	232	229	233	227	222	226	231	223	251	239
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.3	8.3	8.8	8.7	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Power (WWP Division)	56	56	56	56	55	55	53	52	53	53	53	52	53	54
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	60	60	59	60	57	55	49	47	49	50	51	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	50	50	50	50	49	50	47	47	47	47	47	47	47	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	71	71	71	69	70	70	67	66	67	67	67	67	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	333	331	335	330	320	324	308	306	306	314	315	296	314	318
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	2.9	2.9	2.1	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	4.4	4.4	3.6	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	0	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	18	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	8.0	8	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	32	29	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.5	4.6	4.6	4.5	4.3	4.3	4.3	5.1	5.3	4.7
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	232	221	232	232	232	229	229	171	230	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	17	17	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	145	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	235	235	223	223	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	103	23	80	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	105	77	77	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	780	780	721	800	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	37	32	32	33	24	33	30	30	20	19	22	40	47	39
142 Total Investor-Owned Entities	37	32	32	33	24	33	30	30	20	19	22	40	47	39
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1645	1636	1657	1646	1656	1644	1629	1623	1603	1577	1567	1575	1660	1652
145 Total Small Thermal & Misc Reserves	390	390	387	386	386	374	385	386	355	369	369	301	363	394
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	961	961	893	981	1061
147 Total Contract Reserves	37	32	32	33	24	33	30	30	20	19	22	40	47	39
148 Total Capacity Reserves	3134	3120	3138	3127	3128	3112	3105	3100	3039	2926	2919	2810	3051	3146

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.0	4.0	4	3.9	3.7	3.7	3.4	3.8	5.0	5.7	5.7	7.5	6.9	5.3
9 Grant County PUD #2	52	52	52	52	52	52	52	52	52	52	52	52	52	52
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	84	87	82	86	87	85	84	84	84	84	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	43	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	238	235	245	234	243	240	233	227	222	226	232	223	252	240
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	54	54	54	54	54	53	53	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	55	53	51	48	47	48	50	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
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1937 Water Year
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Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	47	46	46	47	46	47	47	46	47	47	47	46	47	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	67	67	66	67	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	320	318	322	317	309	313	308	306	305	313	315	296	314	317
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	0	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	18	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	30	29	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.9	5.0	5.0	4.9	4.7	4.7	4.7	5.1	4.9	4.7
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Continued

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	233	222	232	233	232	229	229	168	230	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	128	128	119	128	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	182	182	182	182	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	103	46	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	81	105	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	700	676	722	777	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
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 [37] 2006 White Book (Final)

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	38	33	33	33	40	49	31	31	21	20	22	27	33	25
142 Total Investor-Owned Entities	38	33	33	33	40	49	31	31	21	20	22	27	33	25
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1657	1646	1656	1643	1628	1623	1603	1576	1567	1575	1660	1652
145 Total Small Thermal & Misc Reserves	391	391	389	386	386	374	386	386	355	370	370	298	363	394
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	881	858	722	786	1061
147 Total Contract Reserves	38	33	33	33	40	49	31	31	21	20	22	27	33	25
148 Total Capacity Reserves	3137	3122	3141	3128	3144	3128	3106	3102	3040	2848	2817	2622	2841	3132

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
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1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.0	4.0	4	3.9	3.7	3.6	3.4	3.8	5.0	5.7	5.7	7.5	6.9	5.2
9 Grant County PUD #2	52	52	52	52	53	53	53	53	53	53	53	53	53	53
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	84	87	82	86	86	85	84	84	83	84	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	43	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	238	235	246	235	243	240	233	227	222	226	232	223	252	240
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.8	0.8	0	0	0	0	0	0	0	0	0	0	0	0
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	0	0	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0.7	0.7	0	0	0	0	0	0	0	0	0	0	0	0
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	54	54	54	54	54	53	52	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	55	53	51	48	47	48	49	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	46	46	46	46	46	46	46	46	46	46	47	46	46	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	67	67	66	66	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	319	318	322	317	309	313	307	305	305	313	314	296	313	317
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	32	29	32
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.6	4.6	4.6	4.7	4.9	5.0	5.0	4.9	4.8	4.7	4.7	5.1	4.9	4.7
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	233	222	232	233	232	229	229	171	230	231
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	17	17	17	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	119	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	0	0	0	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	223	223	170	235	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	80	80	23	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	77	77	77	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	765	765	506	856	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	24	19	19	20	26	35	32	32	22	21	23	28	34	26
142 Total Investor-Owned Entities	24	19	19	20	26	35	32	32	22	21	23	28	34	26
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1657	1646	1656	1643	1628	1623	1603	1576	1567	1575	1660	1652
145 Total Small Thermal & Misc Reserves	391	391	389	386	386	374	386	386	355	370	370	313	363	394
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	947	947	679	1038	1061
147 Total Contract Reserves	24	19	19	20	26	35	32	32	22	21	23	28	34	26
148 Total Capacity Reserves	3123	3108	3127	3114	3130	3114	3107	3102	3041	2914	2907	2595	3094	3133

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.0	3.9	4.0	3.9	3.7	3.6	3.4	3.8	4.9	5.7	5.7	7.5	6.9	5.2
9 Grant County PUD #2	53	53	53	53	53	53	53	53	53	53	53	53	53	53
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	84	87	82	86	86	85	84	84	83	83	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	43	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	238	235	246	235	244	240	234	228	223	226	232	224	252	240
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	54	54	54	54	53	53	52	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	55	53	51	48	47	48	49	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	46	46	46	46	46	46	46	46	46	46	46	46	46	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	66	67	66	66	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	319	317	321	317	309	313	307	305	304	313	314	296	313	317
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	32	32	32	33	33	22	34	33	33	29	29	32	29	28
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.6	4.6	4.7	4.8	4.9	5.0	5	4.9	4.8	4.7	4.7	5.1	5.3	4.8
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
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1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	231	231	231	231	233	222	232	233	232	230	230	171	230	228
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	17	17	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	128	101	145	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	182	129	223	223	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	103	23	80	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	105	77	77	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	801	721	620	800	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	25	20	20	20	27	36	33	33	23	22	24	29	35	27
142 Total Investor-Owned Entities	25	20	20	20	27	36	33	33	23	22	24	29	35	27
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1657	1646	1656	1643	1628	1623	1603	1576	1567	1575	1660	1652
145 Total Small Thermal & Misc Reserves	391	391	389	386	386	374	386	386	355	370	370	313	363	391
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	982	902	620	809	1061
147 Total Contract Reserves	25	20	20	20	27	36	33	33	23	22	24	29	35	27
148 Total Capacity Reserves	3124	3109	3128	3115	3131	3115	3108	3103	3042	2950	2863	2538	2867	3131

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.0	3.9	4.0	3.9	3.7	3.6	3.6	4.0	5.1	5.9	5.9	7.7	7.1	5.4
9 Grant County PUD #2	53	53	53	53	53	53	53	53	53	53	53	53	53	53
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	84	87	82	86	86	85	84	84	83	83	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	42	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	238	236	246	235	244	241	234	228	223	227	233	224	253	241
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	53	53	53	53	53	53	52	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	54	53	51	48	47	48	49	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	46	46	46	46	46	46	46	46	46	46	46	46	46	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	66	67	66	66	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	319	317	321	316	308	312	307	305	304	313	314	295	313	316
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	0	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	18	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	29	29	29	30	30	19	31	30	30	26	26	26	29	28
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.7	4.7	4.7	4.8	4.9	5	5.1	5.0	4.8	4.7	4.7	5.2	5.0	4.8
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
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1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	227	227	228	228	230	219	229	230	229	226	226	165	230	228
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	145	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	235	235	235	235	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	103	46	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	81	105	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	880	856	701	856	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
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 1937 Water Year
 [37] 2006 White Book (Final)

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	26	21	20	21	28	37	33	34	23	23	25	29	36	28
142 Total Investor-Owned Entities	26	21	20	21	28	37	33	34	23	23	25	29	36	28
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1657	1646	1656	1643	1628	1623	1603	1576	1567	1576	1660	1652
145 Total Small Thermal & Misc Reserves	388	388	386	383	383	371	383	383	352	366	366	295	362	391
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1038	873	1038	1061
147 Total Contract Reserves	26	21	20	21	28	37	33	34	23	23	25	29	36	28
148 Total Capacity Reserves	3121	3107	3125	3112	3129	3113	3106	3101	3040	3027	2996	2774	3096	3132

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.2	4.1	4.2	4.1	3.9	3.8	3.6	3.9	5.1	5.9	5.9	7.7	7.1	5.4
9 Grant County PUD #2	53	53	53	53	54	54	54	54	54	54	54	54	54	54
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	84	87	82	86	86	85	84	84	83	83	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	42	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	239	236	247	236	244	241	234	229	223	227	233	224	253	241
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	53	53	53	53	53	53	52	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	54	53	50	48	47	48	49	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	46	46	46	46	46	46	46	46	46	46	46	46	46	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	66	66	66	66	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	318	317	321	316	308	312	307	304	304	312	313	295	313	316
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	29	29	29	30	30	19	31	30	30	26	26	29	26	28
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.7	4.7	4.7	4.8	4.9	5	5.1	5.0	4.8	4.7	4.7	5.2	5.0	4.8
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Continued

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	227	227	228	228	230	219	229	230	229	226	226	168	227	228
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	0	0	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	0	0	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	17	17	17	34	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	128	128	119	128	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	0	0	0	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	170	170	170	182	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	80	80	23	103	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	77	77	77	81	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	201	201	100	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	686	686	506	777	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	27	21	21	22	29	38	34	34	24	24	26	30	37	29
142 Total Investor-Owned Entities	27	21	21	22	29	38	34	34	24	24	26	30	37	29
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1658	1647	1657	1644	1628	1623	1603	1576	1567	1576	1660	1652
145 Total Small Thermal & Misc Reserves	388	388	386	383	383	371	383	383	352	366	366	310	360	391
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	867	867	506	786	1061
147 Total Contract Reserves	27	21	21	22	29	38	34	34	24	24	26	30	37	29
148 Total Capacity Reserves	3122	3108	3126	3114	3130	3114	3107	3102	3040	2834	2827	2423	2842	3133

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Hydro Reserves														
-Federal Entities-														
1 BPA - Power Business	1056	1050	1057	1061	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
2 Mission Valley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3 Total Federal Entities	1056	1051	1057	1062	1071	1057	1054	1057	1042	1004	988	1023	1061	1062
-Generating Public Entities-														
4 Chelan County PUD #1	27	27	27	27	27	27	27	27	25	27	27	27	27	27
5 Clark County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Cowlitz County PUD #1	6.7	6.6	6.4	6.7	6.3	5.8	5.4	5.2	5.4	5.5	5.5	2.4	6.6	6.6
7 Douglas County PUD #1	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8 Eugene Water & Electric Board	4.1	4.1	4.2	4.1	3.9	3.8	3.6	3.9	5.1	5.9	5.9	7.7	7.1	5.4
9 Grant County PUD #2	54	54	54	54	54	54	54	54	54	54	54	54	54	54
10 Grays Harbor PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Okanogan County PUD #1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
12 Pend Oreille County PUD #1	4.2	4.2	4.2	4	4.1	4.2	4.1	4.2	4.2	4.1	4	4.0	3.9	4.1
13 Seattle City Light	86	83	87	82	86	86	85	84	84	83	83	89	95	86
14 Snohomish County PUD #1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
15 Tacoma Public Utilities	35	35	42	37	41	38	33	28	24	26	32	19	38	36
16 Total Generating Public Entities	239	237	247	236	244	241	234	229	223	227	233	224	253	241
-Non-Generating Public Entities-														
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Bonners Ferry, City of	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Centralia, City of	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
21 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Clearwater Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
23 Colville Tribes	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
24 Consumers Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Emerald County PUD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Energy Northwest	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
27 Fall River Elec Coop	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4
28 Forest Grove, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
29 Franklin County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Idaho County L & P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Idaho Falls, City of	1.0	1.0	1.5	1.4	1.3	1.2	1.4	1.3	1.4	0.9	0.9	1.1	1.1	1.1
32 Kittitas County PUD #1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Klickitat County PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
34 Kootenai Electric Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
35 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Lost River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Lower Valley Energy	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
38 Mason County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 McMinnville, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
40 Milton-Freewater, City of	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
41 Northern Lights	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
42 Northern Wasco County PUD	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Raft River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Salmon River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Soda Springs, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Tillamook PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 United Electric Coop	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
50 Total Non-Generating Public Entities	8.5	8.5	9	8.9	8.7	8.7	8.8	8.8	9.0	8.4	8.4	8.6	8.6	8.6
-Investor-Owned Entities-														
51 Avista Corp (WWP Division)	53	53	53	53	53	53	52	52	53	53	53	52	53	53
52 Idaho Power Company	81	80	86	83	75	82	80	81	78	84	85	81	77	79
53 Pacific Power	55	55	54	54	53	50	48	47	48	49	50	36	55	56

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
54 Portland General Electric	46	46	46	46	46	46	46	46	46	46	46	46	46	46
55 PPL Montana, LLC	13	13	13	13	13	13	13	13	12	12	12	13	13	13
56 Puget Sound Energy	68	68	68	66	68	68	67	66	66	66	66	66	68	68
57 Utah Power	1.0	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	1.1	1.1	1	1	1.1
58 Total Investor-Owned Entities	318	317	320	316	308	312	307	304	304	312	313	295	313	316
<i>-Other Entities-</i>														
59 Colockum Transmission Company	15	15	15	15	15	15	15	15	15	15	15	15	15	15
60 Longview Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Unspecified Marketer	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
62 Warm Springs Power Enterprise	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63 Total Other Entities	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<u>Small Thermal & Misc. Reserves</u>														
<i>-Federal Entities-</i>														
64 BPA - Power Business	3.9	3.9	3.9	4	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4	3.9	3.8
65 Mission Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 U.S. Naval Station, Everett (Jim Creek)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67 U.S. Naval Submarine Base, Bangor	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
68 Total Federal Entities	5.4	5.4	5.4	5.5	5.6	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.4
<i>-Generating Public Entities-</i>														
69 Chelan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Clark County PUD #1	12	12	12	12	13	13	13	13	13	12	12	12	12	12
71 Cowlitz County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 Douglas County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Eugene Water & Electric Board	1	1	1	1	1	0	1	1	1	1	1	1	1	0
74 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
75 Grays Harbor PUD #1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	4.7	4.7
76 Okanogan County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Seattle City Light	4.2	4.1	2.7	1	0.1	0.1	0.1	0.1	0.3	2.4	2.4	5.9	6.6	6.7
78 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
79 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
80 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
81 Total Generating Public Entities	30	30	27	24	22	21	22	22	23	27	27	30	32	31
<i>-Non-Generating Public Entities-</i>														
82 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Benton County PUD #1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
84 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
85 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
86 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
87 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
88 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89 Fall River Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 Franklin County PUD #1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.5	2.6	2.6
91 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
92 Lakeview L & P (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Lewis County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94 Mason County PUD #1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
95 Mason County PUD #3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
96 Oregon Trail Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97 Tanner Elec Coop	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 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
99 Total Non-Generating Public Entities	8.0	8.0	7.9	8.0	8	8	8	8	8	8	8	6.4	8.0	7.9
<i>-Investor-Owned Entities-</i>														
100 Avista Corp (WWP Division)	29	29	29	30	30	19	31	30	30	26	26	26	26	28
101 Idaho Power Company	21	21	20	18	18	17	17	17	18	19	19	21	21	21
102 Northwestern Energy LLC (MPC)	4.7	4.7	4.7	4.8	4.9	5	5.1	5.0	4.8	4.7	4.7	5.2	5.0	4.8
103 Pacific Power	28	28	28	28	28	28	27	28	28	29	29	2.9	29	28

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
104 Portland General Electric	58	58	59	60	61	62	62	61	61	60	60	39	59	58
105 Puget Sound Energy	75	75	75	75	75	75	75	75	75	75	75	70	75	75
106 Trans Alta Utilities Corp	12	12	12	12	12	12	12	12	12	12	12	0	12	12
107 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
108 Total Investor-Owned Entities	227	227	228	228	230	219	229	230	229	226	226	165	227	228
<i>-Other Entities-</i>														
109 Avista Energy Inc.	14	14	14	14	14	14	14	14	14	0	0	14	14	14
110 Boise Cascade Corporation	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
111 Calpine Power Marketing, Inc.	12	12	12	12	12	12	12	12	12	12	12	0	12	12
112 Chehalis Power Inc.	26	26	26	26	26	26	26	26	26	26	26	26	0	26
113 FPL Energy Vansycle LLC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114 Frederickson Power LP,	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115 Hermiston Power Partnership	32	32	32	32	32	32	32	32	0	32	32	32	32	32
116 King County Property Services	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Longview Fibre	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
118 Mirant Americas Energy Marketing, L.P.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Pacific Klamath Energy	29	29	29	29	29	29	29	29	29	24	24	24	24	29
120 PPM Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121 SP Newsprint	2	2	2	2	2	2	2	2	2	2	2	2	2	2
122 Total Other Entities	118	118	118	118	118	118	118	118	86	99	99	100	87	118
<u>Large Thermal Reserves</u>														
<i>-Federal Entities-</i>														
123 BPA - Power Business	172	172	172	172	172	172	172	172	172	172	172	172	172	172
124 Total Federal Entities	172	172	172	172	172	172	172	172	172	172	172	172	172	172
<i>-Generating Public Entities-</i>														
125 Turlock Irrigation District	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
126 Total Generating Public Entities	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	0	8.8	8.8
<i>-Non-Generating Public Entities-</i>														
127 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>														
128 Avista Corp (WWP Division)	34	34	34	34	34	34	34	34	34	34	34	17	17	34
129 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	119	154	154
130 Northwestern Energy LLC (MPC)	34	34	34	34	34	34	34	34	34	34	34	34	34	34
131 Pacific Power	235	235	235	235	235	235	235	235	235	235	235	170	223	235
132 Portland General Electric	103	103	103	103	103	103	103	103	103	103	103	23	80	103
133 Puget Sound Energy	105	105	105	105	105	105	105	105	105	105	105	77	77	105
134 San Diego Gas & Electric	13	13	13	13	13	13	13	13	13	13	13	0	13	13
135 Trans Alta Utilities Corp	201	201	201	201	201	201	201	201	201	100	100	201	201	201
136 Total Investor-Owned Entities	880	880	880	880	880	880	880	880	880	780	780	641	800	880
<i>-Other Entities-</i>														
137 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>Contract Reserves</u>														
<i>-Federal Entities-</i>														
138 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
139 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Non-Generating Public Entities-</i>														
140 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Continued

Table A-17: Regional Capacity Reserves
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Investor-Owned Entities-</i>														
141 Northwestern Energy LLC (MPC)	28	22	22	23	30	39	35	35	25	24	27	31	38	30
142 Total Investor-Owned Entities	28	22	22	23	30	39	35	35	25	24	27	31	38	30
<i>-Other Entities-</i>														
143 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Capacity Reserves-</i>														
144 Total Hydro Reserves	1646	1636	1658	1647	1657	1644	1628	1623	1603	1576	1567	1576	1660	1652
145 Total Small Thermal & Misc Reserves	388	388	386	383	383	371	383	383	352	366	366	307	360	391
146 Total Large Thermal Reserves	1061	1061	1061	1061	1061	1061	1061	1061	1061	961	961	814	981	1061
147 Total Contract Reserves	28	22	22	23	30	39	35	35	25	24	27	31	38	30
148 Total Capacity Reserves	3123	3108	3127	3114	3131	3115	3108	3103	3041	2928	2922	2728	3039	3134

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Table A-18
Wells & Chelan Allocation
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

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Table A-19
Rocky Reach & Rock Island Allocation
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

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Table A-20
Wanapum & Priest Rapids Allocation
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	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 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
31 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
32 CWPC Share	0	0	0	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
34 FGRV Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 FREC Share	0	0	0	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	556	556	556	556	556	556	556	556	556	556	556	556	556	556
37 ICLP Share	0	0	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
39 KOOT Share	0	0	0	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	0	0	0	0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
43 MTRF Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
44 NLEC Share	0	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
46 PPL Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
47 PSE Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
48 RREC Share	0	0	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
50 SLEC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	36	36	36	36	36	36	36	36	36	36	36	36	36	36
52 UNEC Share	0	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	64	64	64	64	54	54	54	54	54	54	54	54	54	54
54 Priest Rapids After Enc	897	897	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	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 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
31 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
34 FGRV Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	556	556	556	556	556	556	556	556	556	556	556	556	556	556
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
43 MTRF Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
46 PPL Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
47 PSE Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	36	36	36	36	36	36	36	36	36	36	36	36	36	36
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	54	54	54	54	54	54	54	54	54	54	54	54	54	54
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	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 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
31 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
34 FGRV Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	556	556	556	556	556	556	556	556	556	556	556	556	556	556
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
43 MTRF Share	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
46 PPL Share	67	67	67	67	67	67	67	67	67	67	67	67	67	67
47 PSE Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	36	36	36	36	36	36	36	36	36	36	36	36	36	36
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	54	54	54	54	54	54	54	54	54	54	54	54	54	54
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	48	48	33	33	33	33	33	33	33	33
4 COPD Share	25	25	25	25	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	0	0	0	0	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	21	21	21	21	13	13	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
7 FGRV Share	6.4	6.4	6.4	6.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	0	0	0	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	332	332	332	332	374	374	522	522	522	522	522	522	522	522
10 ICLP Share	0	0	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	0	0	0	0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	0	0	0	0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	0	0	0	0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	6.4	6.4	6.4	6.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	6.4	6.4	6.4	6.4	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	0	0	0	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	170	170	170	170	109	109	74	74	74	74	74	74	74	74
19 PPL Share	170	170	170	170	109	109	74	74	74	74	74	74	74	74
20 PSE Share	98	98	98	98	63	63	43	43	43	43	43	43	43	43
21 RREC Share	0	0	0	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	0	0	0	0	60	60	40	40	40	40	40	40	40	40
23 SLEC Share	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	0	0	0	0	60	60	40	40	40	40	40	40	40	40
25 UNEC Share	0	0	0	0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	0	0	0	0	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	29	29	29	29	47	47	32	32	32	32	32	32	32	32
31 COPD Share	14	14	14	14	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.2	8.2	8.2	8.2	13	13	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
34 FGRV Share	3.1	3.1	3.1	3.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	556	556	556	556	368	368	515	515	515	515	515	515	515	515
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.1	3.1	3.1	3.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.1	3.1	3.1	3.1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	67	67	67	67	107	107	73	73	73	73	73	73	73	73
46 PPL Share	67	67	67	67	107	107	73	73	73	73	73	73	73	73
47 PSE Share	39	39	39	39	62	62	42	42	42	42	42	42	42	42
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	4.8	4.8	4.8	4.8	59	59	40	40	40	40	40	40	40	40
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	36	36	36	36	59	59	40	40	40	40	40	40	40	40
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	54	54	54	54	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	33	33	33	33	32	32	32	32	32	32	32	32	32	32
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	9.1	9.1	9.1	9.1	9	9	9	9	9	9	9	9	9	9
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	522	522	522	522	526	526	526	526	526	526	526	526	526	526
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	74	74	74	74	73	73	73	73	73	73	73	73	73	73
19 PPL Share	74	74	74	74	73	73	73	73	73	73	73	73	73	73
20 PSE Share	43	43	43	43	42	42	42	42	42	42	42	42	42	42
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	40	40	40	40	40	40	40	40	40	40	40	40	40	40
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	40	40	40	40	40	40	40	40	40	40	40	40	40	40
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	32	32	32	32	32	32	32	32	32	32	32	32	32	32
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	515	515	515	515	518	518	518	518	518	518	518	518	518	518
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	73	73	73	73	72	72	72	72	72	72	72	72	72	72
46 PPL Share	73	73	73	73	72	72	72	72	72	72	72	72	72	72
47 PSE Share	42	42	42	42	42	42	42	42	42	42	42	42	42	42
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	32	32	32	32	32	32	32	32	32	32	32	32	32	32
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	9	9	9	9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	526	526	526	526	530	530	530	530	530	530	530	530	530	530
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	73	73	73	73	72	72	72	72	72	72	72	72	72	72
19 PPL Share	73	73	73	73	72	72	72	72	72	72	72	72	72	72
20 PSE Share	42	42	42	42	42	42	42	42	42	42	42	42	42	42
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	32	32	32	32	31	31	31	31	31	31	31	31	31	31
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.9	8.9	8.9	8.9	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	518	518	518	518	522	522	522	522	522	522	522	522	522	522
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	72	72	72	72	71	71	71	71	71	71	71	71	71	71
46 PPL Share	72	72	72	72	71	71	71	71	71	71	71	71	71	71
47 PSE Share	42	42	42	42	41	41	41	41	41	41	41	41	41	41
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	32	32	32	32	31	31	31	31	31	31	31	31	31	31
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	530	530	530	530	535	535	535	535	535	535	535	535	535	535
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	72	72	72	72	71	71	71	71	71	71	71	71	71	71
19 PPL Share	72	72	72	72	71	71	71	71	71	71	71	71	71	71
20 PSE Share	42	42	42	42	41	41	41	41	41	41	41	41	41	41
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	31	31	31	31	31	31	31	31	31	31	31	31	31	31
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	522	522	522	522	526	526	526	526	526	526	526	526	526	526
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	71	71	71	71	70	70	70	70	70	70	70	70	70	70
46 PPL Share	71	71	71	71	70	70	70	70	70	70	70	70	70	70
47 PSE Share	41	41	41	41	41	41	41	41	41	41	41	41	41	41
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	896	896	896	896	896	896	896	896	896	896	896	896	896	896

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	535	535	535	535	539	539	539	539	539	539	539	539	539	539
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	71	71	71	71	70	70	70	70	70	70	70	70	70	70
19 PPL Share	71	71	71	71	70	70	70	70	70	70	70	70	70	70
20 PSE Share	41	41	41	41	41	41	41	41	41	41	41	41	41	41
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	39	39	39	39	38	38	38	38	38	38	38	38	38	38
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	31	31	31	31	30	30	30	30	30	30	30	30	30	30
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	526	526	526	526	531	531	531	531	531	531	531	531	531	531
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	70	70	70	70	69	69	69	69	69	69	69	69	69	69
46 PPL Share	70	70	70	70	69	69	69	69	69	69	69	69	69	69
47 PSE Share	41	41	41	41	40	40	40	40	40	40	40	40	40	40
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	38	38	38	38	37	37	37	37	37	37	37	37	37	37
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	38	38	38	38	38	38	38	38	38	38	38	38	38	38
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	896	896	896	896	897	897	897	897	897	897	897	897	897	897

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	31	31	31	31	30	30	30	30	30	30	30	30	30	30
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	539	539	539	539	543	543	543	543	543	543	543	543	543	543
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	70	70	70	70	69	69	69	69	69	69	69	69	69	69
19 PPL Share	70	70	70	70	69	69	69	69	69	69	69	69	69	69
20 PSE Share	41	41	41	41	40	40	40	40	40	40	40	40	40	40
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	38	38	38	38	37	37	37	37	37	37	37	37	37	37
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	38	38	38	38	38	38	38	38	38	38	38	38	38	38
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.5	8.5	8.5	8.5	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	531	531	531	531	535	535	535	535	535	535	535	535	535	535
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	69	69	69	69	68	68	68	68	68	68	68	68	68	68
46 PPL Share	69	69	69	69	68	68	68	68	68	68	68	68	68	68
47 PSE Share	40	40	40	40	39	39	39	39	39	39	39	39	39	39
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	37	37	37	37	37	37	37	37	37	37	37	37	37	37
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	38	38	38	38	37	37	37	37	37	37	37	37	37	37
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	897	897	897	897	897	897	897	897	897	897	897	897	897	897

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	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	30	30	30	30	30	30	30	30	30	30	30	30	30	30
4 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
5 CWPC Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 EWEB Share	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
7 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
8 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 GCPD Share	543	543	543	543	543	543	543	543	543	543	543	543	543	543
10 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
11 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
12 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
13 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
14 LVE Share	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
15 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18 PGE Share	69	69	69	69	69	69	69	69	69	69	69	69	69	69
19 PPL Share	69	69	69	69	69	69	69	69	69	69	69	69	69	69
20 PSE Share	40	40	40	40	40	40	40	40	40	40	40	40	40	40
21 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
22 SCL Share	37	37	37	37	37	37	37	37	37	37	37	37	37	37
23 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
24 TPU Share	38	38	38	38	38	38	38	38	38	38	38	38	38	38
25 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
26 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
27 Wanapum After Enc	910	910	910	910	910	910	910	910	910	910	910	910	910	910
-Priest Rapids-														
28 Priest Rapids	912	912	912	912	912	912	912	912	912	912	912	912	912	912
29 Priest Rapids Before Enc	912	912	912	912	912	912	912	912	912	912	912	912	912	912
-Priest Rapids-														
30 AVWP Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31 COPD Share	24	24	24	24	24	24	24	24	24	24	24	24	24	24
32 CWPC Share	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
33 EWEB Share	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
34 FGRV Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
35 FREC Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
36 GCPD Share	535	535	535	535	535	535	535	535	535	535	535	535	535	535
37 ICLP Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
38 KITT Share	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
39 KOOT Share	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
40 LREC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
41 LVE Share	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
42 MCMN Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
43 MTRF Share	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
44 NLEC Share	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PGE Share	68	68	68	68	68	68	68	68	68	68	68	68	68	68
46 PPL Share	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 PSE Share	39	39	39	39	39	39	39	39	39	39	39	39	39	39
48 RREC Share	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
49 SCL Share	37	37	37	37	37	37	37	37	37	37	37	37	37	37
50 SLEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
51 TPU Share	37	37	37	37	37	37	37	37	37	37	37	37	37	37
52 UNEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
53 UNKMKT Share	27	27	27	27	27	27	27	27	27	27	27	27	27	27
54 Priest Rapids After Enc	897	897	897	897	897	897	897	897	897	897	897	897	897	897

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Table A-21
Swift #1 and Swift #2 Allocation
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

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

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Table A-22
BPA Power Sales Contracts
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2006 - 2007 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	223	223	176	218	227	215	240	227	215	200	200	193	210	203
2 Total Federal Entities	223	223	176	218	227	215	240	227	215	200	200	193	210	203
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2101	2101	2177	2642	2998	3307	3344	3281	3076	2760	2760	2447	2099	2112
8 Total Generating Public Entities	2101	2101	2177	2642	2998	3307	3344	3281	3076	2760	2760	2447	2099	2112
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1591	1302	1197	1285	1466	1489	1323	1330	1287	1130	940	981	1598	1540
10 Total Generating Public Entities (Slice)	1591	1302	1197	1285	1466	1489	1323	1330	1287	1130	940	981	1598	1540
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	3587	3602	3484	4077	4324	4510	4802	4613	4217	3940	3938	3757	3746	3908
12 Total Non-Generating Public Entities	3587	3602	3484	4077	4324	4510	4802	4613	4217	3940	3938	3757	3746	3908
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	955	782	719	772	880	894	794	798	773	678	564	589	960	925
14 Total Non-Gen. Public Entities (Slice)	955	782	719	772	880	894	794	798	773	678	564	589	960	925
<i>-Investor-Owned Entities-</i>														
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
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	223	223	176	218	227	215	240	227	215	200	200	193	210	203
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3692	3404	3373	3927	4464	4796	4667	4611	4364	3889	3700	3428	3697	3652
23 Non-Generating Public Entities	4542	4384	4202	4848	5204	5404	5596	5411	4990	4618	4502	4346	4706	4832
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	9324	8885	8604	9030	9895	10416	10503	10249	9596	8934	8664	8254	8873	8957

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2007 - 2008 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	246	246	188	231	241	226	255	240	227	211	211	201	222	215
2 Total Federal Entities	246	246	188	231	241	226	255	240	227	211	211	201	222	215
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2225	2225	2470	2990	3372	3693	3760	3730	3440	3034	3034	2578	2272	2238
8 Total Generating Public Entities	2225	2225	2470	2990	3372	3693	3760	3730	3440	3034	3034	2578	2272	2238
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1591	1304	1197	1288	1468	1491	1323	1331	1290	1132	943	1115	1731	1562
10 Total Generating Public Entities (Slice)	1591	1304	1197	1288	1468	1491	1323	1331	1290	1132	943	1115	1731	1562
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	3808	3808	3577	4198	4426	4619	4914	4717	4315	4028	4026	3839	3828	3994
12 Total Non-Generating Public Entities	3808	3808	3577	4198	4426	4619	4914	4717	4315	4028	4026	3839	3828	3994
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	955	783	719	773	882	896	794	799	774	680	566	670	1039	938
14 Total Non-Gen. Public Entities (Slice)	955	783	719	773	882	896	794	799	774	680	566	670	1039	938
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	246	246	188	231	241	226	255	240	227	211	211	201	222	215
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3816	3529	3667	4278	4840	5184	5083	5061	4730	4166	3976	3693	4003	3800
23 Non-Generating Public Entities	4763	4590	4296	4972	5307	5515	5708	5516	5090	4708	4592	4508	4867	4932
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	9045	8593	8357	9516	10388	10926	11046	10818	10074	9311	9042	8691	9352	9216

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2008 - 2009 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	264	264	198	255	267	248	283	265	250	231	231	218	246	237
2 Total Federal Entities	264	264	198	255	267	248	283	265	250	231	231	218	246	237
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2371	2371	2590	3021	3424	3709	3801	3771	3476	3064	3064	2621	2280	2260
8 Total Generating Public Entities	2371	2371	2590	3021	3424	3709	3801	3771	3476	3064	3064	2621	2280	2260
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1605	1324	1197	1288	1468	1491	1322	1331	1290	1143	958	1008	1634	1614
10 Total Generating Public Entities (Slice)	1605	1324	1197	1288	1468	1491	1322	1331	1290	1143	958	1008	1634	1614
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	3897	3898	3661	4248	4477	4672	4969	4776	4365	4074	4072	3881	3868	4036
12 Total Non-Generating Public Entities	3897	3898	3661	4248	4477	4672	4969	4776	4365	4074	4072	3881	3868	4036
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	964	795	719	773	882	896	794	799	774	687	575	605	981	969
14 Total Non-Gen. Public Entities (Slice)	964	795	719	773	882	896	794	799	774	687	575	605	981	969
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	264	264	198	255	267	248	283	265	250	231	231	218	246	237
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3976	3695	3787	4309	4892	5201	5123	5102	4765	4207	4022	3629	3913	3874
23 Non-Generating Public Entities	4861	4692	4380	5021	5358	5568	5763	5575	5139	4760	4647	4487	4849	5005
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	9322	8879	8570	9621	10518	11016	11168	10943	10182	9424	9161	8621	9269	9386

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2009 - 2010 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	300	300	216	256	268	249	284	267	251	232	232	219	247	238
2 Total Federal Entities	300	300	216	256	268	249	284	267	251	232	232	219	247	238
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2393	2393	2613	3055	3461	3750	3842	3812	3512	3097	3097	2650	2304	2284
8 Total Generating Public Entities	2393	2393	2613	3055	3461	3750	3842	3812	3512	3097	3097	2650	2304	2284
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1624	1362	1186	1284	1464	1487	1315	1326	1285	1138	952	1132	1757	1610
10 Total Generating Public Entities (Slice)	1624	1362	1186	1284	1464	1487	1315	1326	1285	1138	952	1132	1757	1610
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	3940	3940	3703	4289	4520	4716	5016	4821	4407	4112	4110	3917	3902	4071
12 Total Non-Generating Public Entities	3940	3940	3703	4289	4520	4716	5016	4821	4407	4112	4110	3917	3902	4071
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	975	818	712	771	879	893	789	796	771	683	572	680	1055	967
14 Total Non-Gen. Public Entities (Slice)	975	818	712	771	879	893	789	796	771	683	572	680	1055	967
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	300	300	216	256	268	249	284	267	251	232	232	219	247	238
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4017	3755	3798	4339	4925	5236	5157	5138	4796	4234	4049	3782	4062	3894
23 Non-Generating Public Entities	4916	4758	4415	5060	5398	5608	5806	5617	5178	4796	4682	4597	4957	5038
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	9453	9040	8634	9691	10592	11094	11247	11022	10254	9488	9225	8886	9526	9439

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2010 - 2011 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	301	301	217	257	269	250	286	268	253	233	233	220	248	240
2 Total Federal Entities	301	301	217	257	269	250	286	268	253	233	233	220	248	240
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2417	2417	2638	3104	3482	3791	3884	3855	3549	3132	3132	2680	2330	2324
8 Total Generating Public Entities	2417	2417	2638	3104	3482	3791	3884	3855	3549	3132	3132	2680	2330	2324
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1634	1372	1195	1287	1467	1489	1316	1328	1287	1138	953	1005	1630	1612
10 Total Generating Public Entities (Slice)	1634	1372	1195	1287	1467	1489	1316	1328	1287	1138	953	1005	1630	1612
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	3974	3971	3736	4333	4565	4762	5065	4869	4451	4153	4151	3954	3937	4107
12 Total Non-Generating Public Entities	3974	3971	3736	4333	4565	4762	5065	4869	4451	4153	4151	3954	3937	4107
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	981	824	717	773	881	894	790	797	773	684	572	603	978	968
14 Total Non-Gen. Public Entities (Slice)	981	824	717	773	881	894	790	797	773	684	572	603	978	968
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	301	301	217	257	269	250	286	268	253	233	233	220	248	240
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4051	3789	3832	4391	4948	5281	5201	5183	4836	4270	4085	3685	3959	3936
23 Non-Generating Public Entities	4955	4794	4454	5105	5446	5656	5856	5666	5224	4837	4723	4557	4916	5075
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	9527	9112	8708	9790	10663	11187	11342	11117	10340	9566	9303	8750	9383	9520

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2011 - 2012 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	302	302	218	259	270	251	287	269	254	234	234	221	249	241
2 Total Federal Entities	302	302	218	259	270	251	287	269	254	234	234	221	249	241
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2428	2428	2663	3046	3452	3719	3822	3831	3481	3090	3090	2978	2410	2395
8 Total Generating Public Entities	2428	2428	2663	3046	3452	3719	3822	3831	3481	3090	3090	2978	2410	2395
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1635	1373	1195	1288	1467	1490	1316	1328	1288	1139	953	1134	1759	1612
10 Total Generating Public Entities (Slice)	1635	1373	1195	1288	1467	1490	1316	1328	1288	1139	953	1134	1759	1612
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	4005	4005	3768	4439	4663	4859	5174	4960	4551	4250	4247	4043	4032	4204
12 Total Non-Generating Public Entities	4005	4005	3768	4439	4663	4859	5174	4960	4551	4250	4247	4043	4032	4204
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	982	824	718	773	881	895	790	798	773	684	572	681	1056	968
14 Total Non-Gen. Public Entities (Slice)	982	824	718	773	881	895	790	798	773	684	572	681	1056	968
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	302	302	218	259	270	251	287	269	254	234	234	221	249	241
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4063	3801	3859	4333	4919	5209	5138	5160	4768	4229	4043	4112	4169	4007
23 Non-Generating Public Entities	4987	4830	4486	5212	5544	5753	5964	5758	5324	4933	4820	4724	5088	5172
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	9572	9160	8768	9840	10734	11214	11389	11187	10374	9622	9359	9346	9766	9689

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2012 - 2013 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	303	303	219	258	270	251	288	271	255	235	235	222	250	242
2 Total Federal Entities	303	303	219	258	270	251	288	271	255	235	235	222	250	242
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2467	2467	2612	3086	3495	3766	3873	3872	3525	3130	3131	3014	2440	2425
8 Total Generating Public Entities	2467	2467	2612	3086	3495	3766	3873	3872	3525	3130	3131	3014	2440	2425
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1637	1377	1198	1290	1470	1492	1315	1330	1290	1140	954	1007	1631	1616
10 Total Generating Public Entities (Slice)	1637	1377	1198	1290	1470	1492	1315	1330	1290	1140	954	1007	1631	1616
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	4107	4108	3869	4452	4677	4871	5218	5008	4590	4286	4284	4077	4064	4237
12 Total Non-Generating Public Entities	4107	4108	3869	4452	4677	4871	5218	5008	4590	4286	4284	4077	4064	4237
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	983	827	719	775	882	896	790	798	774	684	573	605	980	970
14 Total Non-Gen. Public Entities (Slice)	983	827	719	775	882	896	790	798	774	684	573	605	980	970
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	303	303	219	258	270	251	288	271	255	235	235	222	250	242
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4104	3844	3809	4376	4965	5258	5189	5202	4814	4270	4085	4021	4072	4041
23 Non-Generating Public Entities	5090	4934	4588	5227	5559	5767	6008	5807	5365	4970	4857	4682	5044	5208
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	9718	9309	8822	9897	10794	11277	11485	11280	10462	9702	9439	9213	9626	9759

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2013 - 2014 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	305	305	220	260	272	253	290	273	257	237	237	224	252	244
2 Total Federal Entities	305	305	220	260	272	253	290	273	257	237	237	224	252	244
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2497	2497	2644	3138	3555	3831	3937	3936	3581	3181	3181	3059	2480	2464
8 Total Generating Public Entities	2497	2497	2644	3138	3555	3831	3937	3936	3581	3181	3181	3059	2480	2464
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1640	1381	1200	1293	1472	1494	1315	1331	1292	1141	956	1138	1762	1620
10 Total Generating Public Entities (Slice)	1640	1381	1200	1293	1472	1494	1315	1331	1292	1141	956	1138	1762	1620
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	4140	4140	3902	4505	4733	4929	5279	5067	4645	4336	4334	4124	4110	4285
12 Total Non-Generating Public Entities	4140	4140	3902	4505	4733	4929	5279	5067	4645	4336	4334	4124	4110	4285
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	985	829	720	776	884	897	789	799	776	685	574	684	1058	972
14 Total Non-Gen. Public Entities (Slice)	985	829	720	776	884	897	789	799	776	685	574	684	1058	972
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	305	305	220	260	272	253	290	273	257	237	237	224	252	244
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4136	3878	3843	4432	5027	5325	5252	5267	4873	4323	4137	4197	4242	4084
23 Non-Generating Public Entities	5124	4969	4622	5281	5617	5826	6068	5867	5421	5022	4908	4808	5168	5258
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	9785	9379	8891	10009	10916	11405	11610	11406	10579	9808	9544	9517	9923	9855

Table A-22: BPA Power Sale Contracts
 PNW Loads and Resource Study
 2014 - 2015 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	306	306	222	262	274	255	292	275	259	239	239	226	254	245
2 Total Federal Entities	306	306	222	262	274	255	292	275	259	239	239	226	254	245
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2536	2536	2684	3191	3614	3896	4003	4002	3638	3233	3233	3105	2520	2504
8 Total Generating Public Entities	2536	2536	2684	3191	3614	3896	4003	4002	3638	3233	3233	3105	2520	2504
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1642	1385	1202	1296	1474	1496	1315	1333	1294	1143	956	1011	1635	1623
10 Total Generating Public Entities (Slice)	1642	1385	1202	1296	1474	1496	1315	1333	1294	1143	956	1011	1635	1623
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	4186	4186	3947	4557	4787	4985	5340	5126	4700	4387	4384	4171	4156	4333
12 Total Non-Generating Public Entities	4186	4186	3947	4557	4787	4985	5340	5126	4700	4387	4384	4171	4156	4333
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	986	832	722	778	885	899	789	800	777	686	574	607	982	974
14 Total Non-Gen. Public Entities (Slice)	986	832	722	778	885	899	789	800	777	686	574	607	982	974
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	306	306	222	262	274	255	292	275	259	239	239	226	254	245
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4178	3921	3886	4487	5088	5393	5317	5334	4932	4376	4190	4116	4154	4126
23 Non-Generating Public Entities	5172	5017	4668	5335	5673	5884	6129	5926	5477	5073	4958	4778	5137	5307
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	9876	9472	8981	10120	11035	11532	11739	11535	10695	9913	9649	9407	9806	9947

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2015 - 2016 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Federal Entities-</i>														
1 Federal Entities	308	308	224	264	276	257	294	276	261	240	240	227	255	247
2 Total Federal Entities	308	308	224	264	276	257	294	276	261	240	240	227	255	247
<i>-U.S. Bureau of Reclamation-</i>														
3 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
4 Total U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
<i>-Direct Service Industry-</i>														
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>														
7 Generating Public Entities	2577	2577	2726	3248	3676	3964	4073	4080	3698	3288	3288	3153	2563	2547
8 Total Generating Public Entities	2577	2577	2726	3248	3676	3964	4073	4080	3698	3288	3288	3153	2563	2547
<i>-Generating Public Entities (Slice)-</i>														
9 Generating Public Entities (Slice)	1644	1388	1204	1298	1476	1498	1314	1334	1296	1143	957	1141	1764	1625
10 Total Generating Public Entities (Slice)	1644	1388	1204	1298	1476	1498	1314	1334	1296	1143	957	1141	1764	1625
<i>-Non-Generating Public Entities-</i>														
11 Non-Generating Public Entities	4232	4232	3992	4613	4846	5046	5404	5165	4757	4439	4437	4220	4203	4383
12 Total Non-Generating Public Entities	4232	4232	3992	4613	4846	5046	5404	5165	4757	4439	4437	4220	4203	4383
<i>-Non-Generating Public Entities (Slice)-</i>														
13 Non-Generating Public Entities (Slice)	987	834	723	779	886	900	789	801	778	686	574	685	1059	976
14 Total Non-Gen. Public Entities (Slice)	987	834	723	779	886	900	789	801	778	686	574	685	1059	976
<i>-Investor-Owned Entities-</i>														
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>														
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>														
19 Federal Entities	308	308	224	264	276	257	294	276	261	240	240	227	255	247
20 U.S. Bureau of Reclamation	220	227	205	36	0	0	0	0	28	226	262	288	260	269
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4221	3965	3930	4546	5152	5462	5387	5414	4994	4431	4245	4294	4327	4171
23 Non-Generating Public Entities	5219	5066	4715	5393	5733	5945	6193	5966	5535	5126	5011	4905	5263	5358
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	9968	9565	9074	10238	11161	11665	11875	11656	10817	10024	9759	9715	10106	10046

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Table A-23
Non Utility Generating Resources
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
-Federal Entities-														
1 BPA - Power Business	33.8	33.8	17.5	32.4	41.0	32.1	32.2	32.1	32.1	32.1	32.1	48.6	32.4	29.1
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	34.0	34.0	17.7	32.6	41.2	32.3	32.4	32.3	32.3	32.3	32.3	48.8	32.6	29.3
-Generating Public Entities-														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
-Non-Generating Public Entities-														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
24 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Oregon Trail Coop	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
26 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Tillamook PUD #1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
28 Total Non-Generating Public Entiti	2.7	2.7	2.2	3.4	3.7	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.3	2.4
-Investor-Owned Entities-														
29 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
30 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
31 Northwestern Energy LLC (MPC)	29.1	29.1	29.7	31.7	26.4	28.4	29.0	27.0	24.2	22.3	22.3	38.2	42.6	31.4
32 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
33 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
34 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	261.4	589.4	589.4
35 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
36 Total Investor-owned Entities	1070.5	1070.5	1057.1	1028.3	1021.9	1008.8	988.5	1009.4	1021.6	985.8	985.8	781.7	1110.8	1086.0
-Other Entities-														
37 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
38 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
40 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
42 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
-Total Non-Utility Generating Resources-														
43 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
44 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
45 Investor-Owned Entities	1071	1071	1057	1028	1022	1009	989	1009	1022	986	986	782	1111	1086
46 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
47 Total Non-Utility Generation	1373	1371	1291	1213	1172	1151	1130	1152	1181	1232	1232	1131	1464	1440

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	33.8	33.8	17.5	32.4	41.0	32.1	32.2	32.1	32.1	32.1	32.1	48.6	32.4	29.1
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	34.0	34.0	17.7	32.6	41.2	32.3	32.4	32.3	32.3	32.3	32.3	48.8	32.6	29.3
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.7	2.7	2.2	3.4	3.7	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.3	2.4
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	29.4	29.4	30.0	32.1	26.7	28.8	29.1	27.3	24.3	22.4	22.4	38.3	34.8	31.5
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1070.9	1070.9	1057.4	1028.6	1022.2	1009.2	988.6	1009.7	1021.8	985.9	985.9	1026.9	1102.9	1086.1
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
46 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
47 Investor-Owned Entities	1071	1071	1057	1029	1022	1009	989	1010	1022	986	986	1027	1103	1086
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1373	1371	1291	1213	1173	1151	1130	1153	1181	1232	1232	1376	1456	1440

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	33.8	33.8	17.5	32.4	41.0	32.1	32.2	32.1	32.1	32.1	32.1	48.6	32.4	29.1
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	34.0	34.0	17.7	32.6	41.2	32.3	32.4	32.3	32.3	32.3	32.3	48.8	32.6	29.3
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.7	2.7	2.2	3.4	3.7	3.8	3.8	3.9	3.8	3.8	3.8	3.8	3.3	2.4
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	29.5	29.5	30.1	32.2	26.8	29.0	29.4	27.5	24.6	22.7	22.7	38.7	35.1	31.9
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1071.0	1071.0	1057.5	1028.7	1022.4	1009.4	989.0	1009.8	1022.1	986.2	986.2	1027.3	1103.3	1086.5
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
46 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
47 Investor-Owned Entities	1071	1071	1058	1029	1022	1009	989	1010	1022	986	986	1027	1103	1086
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1373	1371	1291	1213	1173	1152	1131	1153	1181	1232	1232	1377	1456	1441

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	33.8	33.8	17.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	34.0	34.0	17.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.7	2.7	2.2	3.4	3.7	3.8	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	29.8	29.8	30.4	32.5	27.1	29.3	29.7	27.8	24.9	23.0	23.0	39.1	43.6	32.2
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1071.3	1071.3	1057.8	1029.0	1022.7	1009.7	989.3	1010.2	1022.4	986.5	986.5	1027.6	1111.7	1086.8
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	34	34	18	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	208	157	93	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1071	1071	1058	1029	1023	1010	989	1010	1022	986	986	1028	1112	1087
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1373	1371	1291	1234	1185	1173	1151	1174	1202	1253	1253	1381	1485	1464

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	30.1	30.1	30.7	32.7	35.3	37.3	37.5	35.7	32.9	31.1	31.1	39.3	35.6	32.3
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1071.5	1071.5	1058.1	1029.3	1030.8	1017.8	997.1	1018.1	1030.4	994.6	994.6	1027.8	1103.7	1086.9
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1072	1072	1058	1029	1031	1018	997	1018	1030	995	995	1028	1104	1087
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1392	1390	1327	1234	1193	1180	1159	1181	1210	1261	1261	1381	1477	1465

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	226.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	30.2	30.2	30.8	32.8	35.4	37.5	37.8	36.2	33.2	31.4	31.4	39.6	35.9	32.6
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1071.7	1071.7	1058.2	1029.4	1031.0	1017.9	997.4	1018.5	1030.7	994.8	994.8	1028.2	1104.0	1087.2
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1072	1072	1058	1029	1031	1018	997	1019	1031	995	995	1028	1104	1087
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1392	1391	1327	1234	1193	1180	1159	1182	1210	1261	1261	1381	1477	1465

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<i>-Federal Entities-</i>														
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2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	225.6	225.6	228.7	232.5	236.9	239.6	240.9	239.0	237.2	161.6	161.6	231.5	229.3	164.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	30.5	30.5	31.1	33.1	35.8	37.8	38.5	36.6	33.7	31.9	31.9	40.3	44.9	33.2
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1072.0	1072.0	1058.5	1029.7	1031.3	1018.3	998.0	1019.0	1031.2	995.3	995.3	1028.9	1113.1	1025.8
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1072	1072	1059	1030	1031	1018	998	1019	1031	995	995	1029	1113	1026
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1393	1391	1327	1234	1193	1181	1160	1182	1211	1262	1262	1382	1486	1403

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	163.6	163.6	166.7	170.5	174.9	177.6	178.9	177.0	175.2	99.6	99.6	169.5	167.3	164.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	31.1	31.1	31.6	33.7	36.3	38.3	39.3	37.4	34.4	32.6	32.6	41.3	37.3	33.2
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1010.5	1010.5	997.0	968.2	969.8	956.8	936.8	957.8	969.9	934.0	934.0	967.8	1043.4	1025.8
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	163.6	163.6	166.7	170.5	174.9	177.6	178.9	177.0	175.2	99.6	99.6	169.5	167.3	164.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	31.1	31.1	31.6	33.7	36.3	38.3	39.3	37.4	34.4	32.6	32.6	41.3	37.3	33.2
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1010.5	1010.5	997.0	968.2	969.8	956.8	936.8	957.8	969.9	934.0	934.0	967.8	1043.4	1025.8
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul
<i>-Federal Entities-</i>														
1 BPA - Power Business	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
<i>-Generating Public Entities-</i>														
4 Chelan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7 Douglas County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Eugene Water & Electric Board	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 Grant County PUD #2	13.5	13.5	11.1	8.0	0.0	0.0	0.0	0.0	7.8	13.1	13.1	15.5	15.2	14.8
10 Grays Harbor PUD #1	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
11 Okanogan County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12 Seattle City Light	82.0	80.2	53.0	19.7	0.0	0.7	0.0	1.5	5.8	46.0	46.0	116.3	130.3	132.2
13 Snohomish County PUD #1	38.7	38.7	38.7	27.7	27.7	27.7	27.7	27.7	27.7	38.7	38.7	38.7	38.7	38.7
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2
15 Total Generating Public Ent.	206.6	204.8	154.9	89.6	46.7	47.4	46.7	48.2	64.5	151.4	151.4	238.1	258.3	263.9
<i>-Non-Generating Public Entities-</i>														
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
21 Franklin County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 Lewis County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25 Mason County PUD #1	0.5	0.5	0.0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
26 Mason County PUD #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29 Tillamook PUD #1	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
30 Total Non-Generating Public Ent.	2.3	2.3	1.8	2.9	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.9	2.0
<i>-Investor-Owned Entities-</i>														
31 Avista Corp (WWP Division)	163.6	163.6	166.7	170.5	174.9	177.6	178.9	177.0	175.2	99.6	99.6	169.5	167.3	164.1
32 Idaho Power Company	158.1	158.1	141.0	106.1	88.8	66.8	67.1	71.6	91.0	125.7	125.7	156.7	169.0	167.9
33 Northwestern Energy LLC (MPC)	31.1	31.1	31.6	33.7	36.3	38.3	39.3	37.4	34.4	32.6	32.6	41.3	37.3	33.2
34 Pacific Power	47.5	47.5	46.9	43.7	46.3	47.4	27.2	47.6	45.4	51.3	51.3	59.0	49.7	47.8
35 Portland General Electric	16.1	16.1	16.7	20.5	30.1	33.7	32.2	31.0	30.2	31.2	31.2	28.9	22.2	17.0
36 Puget Sound Energy	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	589.4	506.4	589.4	589.4
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4
38 Total Investor-owned Entities	1010.5	1010.5	997.0	968.2	969.8	956.8	936.8	957.8	969.9	934.0	934.0	967.8	1043.4	1025.8
<i>-Other Entities-</i>														
39 Boise Cascade Corporation	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
40 FPL Energy Vansycle LLC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
44 Total Other Entities	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
<i>-Total Non-Utility Generating Resources-</i>														
45 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
46 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
47 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
48 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
49 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

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Table A-24
Regional Non Utility Generating Resources by Project
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Elwah Hydro (BPA)	15	15	4.9	13	14	13	13	13	13	13	13	13	13	9.8
42 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 Glines Hydro (BPA)	16	16	9.6	16	24	16	16	16	16	16	16	32	16	16
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
64 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 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
67 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 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
69 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
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
71 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
72 Lemoyne (IPC)	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
73 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 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
75 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
76 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
77 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
78 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
79 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
80 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
81 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
82 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
83 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
84 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
85 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
86 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
87 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
88 Mill Creek (OR) (OTEC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
89 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 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
91 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
92 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 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
94 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
95 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
96 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
97 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
98 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
99 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
100 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 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
102 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
103 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
105 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
107 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 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
109 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
110 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
112 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
113 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
114 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
115 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
116 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
117 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
118 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
119 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
120 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
121 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
122 Rock Creek #2 (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
123 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
124 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
125 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
126 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
127 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 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
129 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
130 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2006 - 2007 Operating Year
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Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
132 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
133 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
134 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
135 Solar Research (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
136 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
137 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
138 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
139 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
140 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
141 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
142 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
143 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
146 Trout Co. (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
147 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
148 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
149 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
150 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
151 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
152 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
153 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
154 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
155 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0.1	0
156 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
157 Total NUG: Hydro	383	381	295	226	184	163	155	166	202	315	315	460	462	448
-NUG: Small Thermal & Misc.-														
158 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
159 Methane Energy Agricultural D. (TKPD)	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
160 Montana One (NWE)	10	10	10	11	9.0	9.7	9.9	9.3	8.1	7.4	7.4	13	14	11
161 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
162 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
163 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
164 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
165 Total NUG: Small Thermal & Misc.	54	54	54	54	53	53	54	53	52	51	51	56	58	54
-NUG: Combustion Turbines-														
166 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
167 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
168 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	0	245	245
169 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	145	387	385
-NUG: Co-Generation-														
170 Billings Generation (NWE)	16	16	17	17	15	16	16	15	13	12	12	21	23	17
171 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
172 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 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
174 Cogen Co (IPC)	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
175 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 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
177 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
178 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
179 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
180 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
181 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
182 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
183 Metro Westpoint (KING)	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
184 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
186 Pottlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
187 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
188 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
190 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
191 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
192 TESCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 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
194 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
195 Total NUG: Co-Generation	517	517	520	507	506	503	489	503	499	514	514	437	524	520
-NUG: Renewables-														
196 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
200 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
201 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Fourmile Hill Geothermal (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (GHDP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Pine Products Corp (PPL)	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
227 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
228 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Total NUG: Renewables	33	33	33	33	33	33	33	33	33	33	33	33	33	33
-Total Non-Utility Generating Resources-														
239 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
240 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
241 Investor-Owned Entities	1071	1071	1057	1028	1022	1009	989	1009	1022	986	986	782	1111	1086
242 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
243 Total Non-Utility Generation	1373	1371	1291	1213	1172	1151	1130	1152	1181	1232	1232	1131	1464	1440

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 Broadwater Dam (NWE)	1.6	1.6	2.1	2.8	2.5	2.4	2.3	2.1	2.1	2.1	2.1	3.6	3.3	2.4
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Elwah Hydro (BPA)	15	15	4.9	13	14	13	13	13	13	13	13	13	13	9.8
42 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 Glines Hydro (BPA)	16	16	9.6	16	24	16	16	16	16	16	16	32	16	16
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
64 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type
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[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 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
67 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 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
69 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
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
71 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
72 Lemoyne (IPC)	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
73 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 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
75 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
76 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
77 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
78 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
79 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
80 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
81 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
82 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
83 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
84 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
85 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
86 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
87 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
88 Mill Creek (OR) (OTEC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
89 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 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
91 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
92 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 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
94 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
95 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
96 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
97 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
98 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
99 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
100 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 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
102 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
103 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
105 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
107 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 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
109 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
110 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
112 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
113 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
114 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
115 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
116 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
117 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
118 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
119 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
120 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
121 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
122 Rock Creek #2 (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
123 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
124 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
125 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
126 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
127 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 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
129 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
130 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

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[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
132 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
133 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
134 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
135 Solar Research (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
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.6	0.5	0.5
137 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
138 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
139 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
140 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
141 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
142 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
143 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
146 Trout Co. (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
147 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
148 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
149 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
150 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
151 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
152 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
153 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
154 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
155 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0	0
156 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
157 Total NUG: Hydro	383	381	295	226	184	163	155	166	202	315	315	460	461	448
-NUG: Small Thermal & Misc.-														
158 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
159 Methane Energy Agricultural D. (TKPD)	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
160 Montana One (NWE)	10	10	10	11	9.1	9.8	10.0	9.4	8.2	7.4	7.4	13	12	11
161 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
162 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
163 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
164 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
165 Total NUG: Small Thermal & Misc.	54	54	54	55	53	54	54	53	52	51	51	57	55	54
-NUG: Combustion Turbines-														
166 Rathdrum-Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
167 Rathdrum-Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
168 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
169 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
-NUG: Co-Generation-														
170 Billings Generation (NWE)	17	17	17	18	15	16	16	15	13	12	12	21	19	17
171 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
172 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 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
174 Cogen Co (IPC)	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
175 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 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
177 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
178 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
179 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
180 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
181 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
182 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
183 Metro Westpoint (KING)	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
184 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
186 Pottlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
187 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
188 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
190 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
191 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
192 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 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
194 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
195 Total NUG: Co-Generation	518	518	520	507	507	503	489	503	499	514	514	437	519	520
-NUG: Renewables-														
196 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
200 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
201 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Fourmile Hill Geothermal (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Pine Products Corp (PPL)	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
227 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
228 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242 Total NUG: Renewables	33	33	33	33	33	33	33	33	33	33	33	33	33	33
-Total Non-Utility Generating Resources-														
243 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
244 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
245 Investor-Owned Entities	1071	1071	1057	1029	1022	1009	989	1010	1022	986	986	1027	1103	1086
246 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
247 Total Non-Utility Generation	1373	1371	1291	1213	1173	1151	1130	1153	1181	1232	1232	1376	1456	1440

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 Broadwater Dam (NWE)	1.6	1.6	2.1	2.8	2.5	2.4	2.3	2.2	2.1	2.2	2.2	3.7	3.3	2.5
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Elwah Hydro (BPA)	15	15	4.9	13	14	13	13	13	13	13	13	13	13	9.8
42 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 Glines Hydro (BPA)	16	16	9.6	16	24	16	16	16	16	16	16	32	16	16
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
64 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 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
67 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Lacomb Irrig. (PPL)	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4
69 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
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
71 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
72 Lemoyne (IPC)	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
73 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 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
75 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
76 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
77 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
78 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
79 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
80 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
81 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
82 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
83 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
84 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
85 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
86 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
87 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
88 Mill Creek (OR) (OTEC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
89 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 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
91 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
92 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 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
94 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
95 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
96 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
97 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
98 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
99 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
100 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 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
102 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
103 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
105 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
107 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 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
109 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
110 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
112 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
113 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
114 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
115 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
116 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
117 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
118 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
119 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
120 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
121 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
122 Rock Creek #2 (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
123 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
124 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
125 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
126 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
127 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 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
129 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
130 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

Table A-24: Regional NUG Resources By Project And Project Type
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
132 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
133 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
134 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
135 Solar Research (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
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.6	0.5	0.5
137 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
138 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
139 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
140 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
141 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
142 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
143 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
146 Trout Co. (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
147 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
148 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
149 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
150 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
151 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
152 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
153 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
154 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
155 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0	0	0	0	0	0
156 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
157 Total NUG: Hydro	383	381	295	226	184	163	156	166	202	315	315	460	461	448
-NUG: Small Thermal & Misc.-														
158 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
159 Methane Energy Agricultural D. (TKPD)	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
160 Montana One (NWE)	10	10	10	11	9.1	9.9	10	9.5	8.3	7.5	7.5	13	12	11
161 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
162 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
163 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
164 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
165 Total NUG: Small Thermal & Misc.	54	54	54	55	53	54	54	53	52	51	51	57	55	55
-NUG: Combustion Turbines-														
166 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
167 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
168 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
169 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
-NUG: Co-Generation-														
170 Billings Generation (NWE)	17	17	17	18	15	16	16	15	13	12	12	21	19	18
171 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
172 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 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
174 Cogen Co (IPC)	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
175 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 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
177 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
178 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
179 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
180 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
181 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
182 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
183 Metro Westpoint (KING)	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
184 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
186 Pottlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
187 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
188 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40

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3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
190 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
191 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
192 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 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
194 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
195 Total NUG: Co-Generation	518	518	520	507	507	504	489	503	499	514	514	437	520	520
-NUG: Renewables-														
196 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
200 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
201 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Fourmile Hill Geothermal (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Pine Products Corp (PPL)	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
227 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
228 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242 Total NUG: Renewables	33	33	33	33	33	33	33	33	33	33	33	33	33	33
-Total Non-Utility Generating Resources-														
243 Federal Entities	34	34	18	33	41	32	32	32	32	32	32	49	33	29
244 Public Entities	209	208	157	93	50	51	51	52	68	155	155	242	262	266
245 Investor-Owned Entities	1071	1071	1058	1029	1022	1009	989	1010	1022	986	986	1027	1103	1086
246 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
247 Total Non-Utility Generation	1373	1371	1291	1213	1173	1152	1131	1153	1181	1232	1232	1377	1456	1441

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Elwah Hydro (BPA)	15	15	4.9	0	0	0	0	0	0	0	0	0	0	0
42 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 Glines Hydro (BPA)	16	16	9.6	0	0	0	0	0	0	0	0	0	0	0
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 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
61 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
62 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
64 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
66 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
67 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 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
69 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
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
71 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
72 Lemoyne (IPC)	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
73 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 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
75 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
76 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
77 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
78 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
79 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
80 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
81 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
82 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
83 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
84 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
85 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
86 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
87 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
88 Mill Creek (OR) (OTEC)	0.5	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0	0	0	0
89 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 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
91 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
92 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 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
94 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
95 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
96 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
97 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
98 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
99 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
100 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 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
102 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
103 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
105 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 Phillipsburg (NWE)	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0
107 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108 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
109 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
110 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
112 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
113 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
114 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
115 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
116 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
117 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
118 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
119 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
120 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
121 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
122 Rock Creek #2 (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
123 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
124 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
125 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
126 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
127 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 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
129 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
130 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
132 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
133 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
134 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
135 Solar Research (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
136 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
137 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
138 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
139 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
140 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
141 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
142 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
143 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
146 Trout Co. (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
147 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
148 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
149 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
150 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
151 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
152 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
153 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
154 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
155 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0	0	0	0	0.1	0
156 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
157 Total NUG: Hydro	383	381	295	196	146	134	126	137	172	286	286	414	432	422
-NUG: Small Thermal & Misc.-														
158 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
159 Methane Energy Agricultural D. (TKPD)	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
160 Montana One (NWE)	10	10	10	11	9.2	10	10	9.6	8.4	7.6	7.6	13	15	11
161 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
162 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
163 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
164 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
165 Total NUG: Small Thermal & Misc.	54	54	54	55	53	54	54	53	52	51	51	57	58	55
-NUG: Combustion Turbines-														
166 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
167 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
168 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
169 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
-NUG: Co-Generation-														
170 Billings Generation (NWE)	17	17	17	18	15	16	17	16	14	12	12	21	24	18
171 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
172 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 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
174 Cogen Co (IPC)	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
175 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176 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
177 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
178 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
179 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
180 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
181 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
182 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
183 Metro Westpoint (KING)	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
184 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
186 Pottlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
187 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
188 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
190 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
191 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
192 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 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
194 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
195 Total NUG: Co-Generation	518	518	520	508	507	504	489	503	500	514	514	438	524	520
-NUG: Renewables-														
196 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
200 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
201 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Fourmile Hill Geothermal (BPA)	0	0	0	50	50	50	50	50	50	50	50	50	50	50
208 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
225 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
226 Pine Products Corp (PPL)	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
227 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
228 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
241 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
242 Total NUG: Renewables	33	33	33	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
243 Federal Entities	34	34	18	53	53	53	53	53	53	53	53	53	53	53
244 Public Entities	209	208	157	93	50	51	50	52	68	155	155	241	261	266
245 Investor-Owned Entities	1071	1071	1058	1029	1023	1010	989	1010	1022	986	986	1028	1112	1087
246 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
247 Total Non-Utility Generation	1373	1371	1291	1234	1185	1173	1151	1174	1202	1253	1253	1381	1485	1464

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 Wisconsin Creek (NWE)	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	137	173	287	287	414	431	422
<i>-NUG: Small Thermal & Misc.-</i>														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	10	10	10	11	12	13	13	12	11	10	10	13	12	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	54	54	54	55	56	57	57	56	55	54	54	57	56	55
<i>-NUG: Combustion Turbines-</i>														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
<i>-NUG: Co-Generation-</i>														
168 Billings Generation (NWE)	17	17	17	18	20	21	21	20	18	17	17	21	19	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
190 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	518	518	521	508	511	508	493	507	504	518	518	438	520	520
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1072	1072	1058	1029	1031	1018	997	1018	1030	995	995	1028	1104	1087
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1392	1390	1327	1234	1193	1180	1159	1181	1210	1261	1261	1381	1477	1465

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 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

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
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[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 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
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	137	173	287	287	414	431	422
<i>-NUG: Small Thermal & Misc.-</i>														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	11	11	11	11	12	13	13	12	11	10	10	13	12	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	54	54	54	55	56	57	57	56	55	54	54	57	56	55
<i>-NUG: Combustion Turbines-</i>														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
<i>-NUG: Co-Generation-</i>														
168 Billings Generation (NWE)	17	17	17	18	20	21	21	20	18	17	17	21	19	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	62
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

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PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 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
190 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	518	518	521	508	511	508	493	508	504	519	519	438	520	520
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1072	1072	1058	1029	1031	1018	997	1019	1031	995	995	1028	1104	1087
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1392	1391	1327	1234	1193	1180	1159	1182	1210	1261	1261	1381	1477	1465

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 Koyale (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

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 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
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	138	173	287	287	414	432	422
<i>-NUG: Small Thermal & Misc.-</i>														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	11	11	11	11	12	13	13	13	11	11	11	13	15	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	54	54	54	55	56	57	57	56	55	54	54	57	59	55
<i>-NUG: Combustion Turbines-</i>														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
<i>-NUG: Co-Generation-</i>														
168 Billings Generation (NWE)	17	17	17	18	20	21	22	21	18	17	17	22	24	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	38	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	62	62	62	62	62	62	62	62	62	62	62	62	62	0
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 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
190 TASCO Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	518	518	521	508	512	508	494	508	504	519	519	438	525	459
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1072	1072	1059	1030	1031	1018	998	1019	1031	995	995	1029	1113	1026
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1393	1391	1327	1234	1193	1181	1160	1182	1211	1262	1262	1382	1486	1403

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 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
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	138	173	287	287	414	431	422
<i>-NUG: Small Thermal & Misc.-</i>														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	11	11	11	11	12	13	13	13	12	11	11	14	12	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	55	55	55	55	56	57	57	57	55	55	55	57	56	55
<i>-NUG: Combustion Turbines-</i>														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
<i>-NUG: Co-Generation-</i>														
168 Billings Generation (NWE)	18	18	18	18	20	21	22	21	19	18	18	22	20	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
190 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	456	456	459	446	450	447	432	446	443	457	457	377	459	459
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 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
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	138	173	287	287	414	431	422
<i>-NUG: Small Thermal & Misc.-</i>														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	11	11	11	11	12	13	13	13	12	11	11	14	12	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	55	55	55	55	56	57	57	57	55	55	55	57	56	55
<i>-NUG: Combustion Turbines-</i>														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
<i>-NUG: Co-Generation-</i>														
168 Billings Generation (NWE)	18	18	18	18	20	21	22	21	19	18	18	22	20	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
190 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	456	456	459	446	450	447	432	446	443	457	457	377	459	459
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-NUG: Hydro-</i>														
1 Albany (PPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam (IPC)	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 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
6 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
7 Birch Creek (IPC)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
8 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
9 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
10 Black Creek (PSE)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
11 Blind Canyon Hydro (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
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (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
14 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
15 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
16 Buffalo Hydro (FREC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
17 Burr & Bouchard (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 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
19 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
20 Carlton (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 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
23 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
24 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
25 Corbett (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cornelius (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Crystal Springs (IPC)	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
28 Curry Cattle Co. (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
29 Curtiss Livestock (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 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
33 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
34 Don Steffen (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 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
36 Dworshak/Clearwater Sm. Hydro. (BPA)	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 Eagle Creek (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek (IPC)	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0	0	0	0	0	0.7	0.7	1	1	1.1
40 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
41 Estacada (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Falls Creek (CCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 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
44 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
45 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
46 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
47 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
48 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
49 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
50 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
51 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
52 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
53 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
54 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
55 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
56 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
57 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
58 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
59 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
60 John Llewellyn (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8
62 Kevin Duncan (SHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Koma Kulshan (PSE)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
64 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

Table A-24: Regional NUG Resources By Project And Project Type
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
65 L. Fery (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 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
67 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
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2
69 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
70 Lemoyne (IPC)	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
71 Lilliwaup Falls Generating Co. (MCPD1)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72 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
73 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
74 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
75 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
76 Lucky Peak (SCL)	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73
77 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
78 Main Canal Headworks (SCL)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
79 Main Canal Headworks (TPU)	10	10	6.1	2.6	0	0	0	0	1.4	6.8	6.8	9.1	11	12
80 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
81 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
82 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
83 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
84 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
85 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
86 Mill Creek (OR) (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87 Minikahda (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 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
89 Mitchell Butte (IPC)	1.8	1.8	1.8	0.7	0	0	0	0	0.5	1.4	1.4	2.1	2.1	1.8
90 Mountain Energy (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 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
92 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
93 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
94 Nichols Gap (PPL)	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0
95 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
96 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
97 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
98 Odell Creek (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 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
100 Owyhee Dam (IPC)	3.6	3.6	2.6	0.8	0	0	0.3	0.8	2.3	4.3	4.3	5	4.3	4.1
101 Pancheri (UPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 PEC Headworks (GCPD)	4.5	4.5	3.1	3	0	0	0	0	2.8	5.1	5.1	6.5	6.2	5.8
103 Phillips Ranch (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104 Phillipsburg (NWE)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
105 Pickering Micro Hydro (CKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106 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
107 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
108 Portland (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2
110 Portneuf River (PPL)	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4
111 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
112 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
113 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
114 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
115 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
116 Quincy Chute (GCPD)	9	9	8	5	0	0	0	0	5	8	8	9	9	9
117 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
118 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
119 Rock Creek #1 (IPC)	1.3	1.3	1.9	2	1.5	1.6	1.3	1.2	1.3	1.7	1.7	1.7	1.5	1.3
120 Rock Creek #2 (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
121 Rocky Brook (MCPD1)	0.5	0.5	0	1.1	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.1	0.2
122 Russel D. Smith (SCL)	2	2	1.3	0.7	0	0	0	0	0.1	1.2	1.2	1.9	2.1	1.7
123 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
124 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
125 Salem (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 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
127 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
128 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
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
130 Shoshone II (IPC)	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
131 Snake River Pottery (IPC)	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
132 Snedigar Ranch (IPC)	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
133 Solar Research (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
134 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
135 Spokane Upriver (AVWP)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
136 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
137 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
138 Summer Falls (SCL)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
139 Summer Falls (TPU)	39	39	24	11	0	0	0	0	2.4	25	25	36	40	44
140 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
141 Thomas Burnside (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142 Tiber Dam Liberty Montana (IPC)	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0	0	0	0	0	0	0	1.2	1.7	1.7
144 Trout Co. (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
145 Tunnel #1 (IPC)	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
146 Twin Falls (PSE)	20	20	20	20	20	20	20	20	20	20	20	20	20	20
147 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
148 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
149 Weeks Falls (PSE)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
150 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
151 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
152 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
153 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
154 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
155 Total NUG: Hydro	352	350	280	196	146	134	127	138	173	287	287	414	431	422
-NUG: Small Thermal & Misc.-														
156 Grays Harbor Paper (GHPD)	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 Methane Energy Agricultural D. (TKPD)	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
158 Montana One (NWE)	11	11	11	11	12	13	13	13	12	11	11	14	12	11
159 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
160 Spokane MSW (PSE)	23	23	23	23	23	23	23	23	23	23	23	23	23	23
161 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
162 Weyerhaeuser Pulp Mill (GHPD)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
163 Total NUG: Small Thermal & Misc.	55	55	55	55	56	57	57	57	55	55	55	57	56	55
-NUG: Combustion Turbines-														
164 Rathdrum- Boekel Rd. #1 (AVWP)	70	70	72	74	76	77	77	76	75	0	74	72	71	70
165 Rathdrum -Boekel Rd. #2 (AVWP)	70	70	72	74	76	77	77	76	75	74	0	72	71	70
166 Tenaska Gas Cogen (PSE)	245	245	245	245	245	245	245	245	245	245	245	245	245	245
167 Total NUG: Combustion Turbines	385	385	388	392	396	398	399	397	395	319	319	390	387	385
-NUG: Co-Generation-														
168 Billings Generation (NWE)	18	18	18	18	20	21	22	21	19	18	18	22	20	18
169 Biomass One (PPL)	22	22	21	21	22	22	7.2	15	17	20	20	17	22	22
170 Boise Cascade Medford (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 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
172 Cogen Co (IPC)	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
173 Cogen Co (OTEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174 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
175 Everett Cogeneration (SHPD)	38	38	38	27	27	27	27	27	27	38	38	38	38	38
176 Haleywest L.L.C (AVWP)	6	6	6	6	6	6	6	6	6	6	6	6	6	6
177 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
178 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
179 March Point #1 (PSE)	80	80	80	80	80	80	80	80	80	80	80	0	80	80
180 March Point #2 (PSE)	60	60	60	60	60	60	60	60	60	60	60	60	60	60
181 Metro Westpoint (KING)	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
182 Metro Westpoint (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183 PERC Pierce, Wa (PSE)	3	3	3	3	3	3	3	3	3	3	3	0	3	3
184 Potlatch Contract Renewal (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
185 Simplot Pocatello (IPC)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
186 SP Newsprint cogen (SPN)	40	40	40	40	40	40	40	40	40	40	40	40	40	40
187 Sumas Energy (PSE)	135	135	135	135	135	135	135	135	135	135	135	135	135	135
188 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

Table A-24: Regional NUG Resources By Project And Project Type
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 TASC0 Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
190 TASC0 Twin Falls ID (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 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
192 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
193 Total NUG: Co-Generation	456	456	459	446	450	447	432	446	443	457	457	377	459	459
-NUG: Renewables-														
194 Ashland Solar Project (ASHL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 Ashland Solar Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
196 Condon Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Covanta Marion Solid Waste (PGE)	13	13	13	13	13	13	13	13	13	13	13	13	13	13
198 Emmett Biomass Project (BOCC)	18	18	18	18	18	18	18	18	18	18	18	18	18	18
199 Eurus Combine Hills (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Foote Creek 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Foote Creek 1 (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Foote Creek 1 (PPL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Foote Creek 2 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Foote Creek 4 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Fourmile Hill Geothermal (BPA)	50	50	50	50	50	50	50	50	50	50	50	50	50	50
206 Healow #2 (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Hopkins Ridge (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Josef Staufer (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Klondike Phase 1 (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Klondike Phase 2 (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Lewandowski Farms (IPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Livingston (NWE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Nine Canyon Wind Project (BCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Nine Canyon Wind Project (CHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Nine Canyon Wind Project (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Nine Canyon Wind Project (DOPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
217 Nine Canyon Wind Project (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 Nine Canyon Wind Project (FCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 Nine Canyon Wind Project (GCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Nine Canyon Wind Project (GHPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Nine Canyon Wind Project (LCPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Nine Canyon Wind Project (MCPD3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
223 Nine Canyon Wind Project (OKPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
224 Pine Products Corp (PPL)	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
225 Puyallup Energy Recovery (PSE)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
226 Stateline Wind Project (AVWP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
227 Stateline Wind Project (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
228 Stateline Wind Project (EWEB)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
229 Stateline Wind Project (PPME)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
230 Stateline Wind Project (SCL)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
231 Vansycle Wind (FPLEV)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
232 White Bluffs Solar (BPA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
233 White Bluffs Solar (ENW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
234 White Creek (COPD)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
235 White Creek (KLCK)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
236 White Creek (LVLP)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
237 White Creek (TNEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
238 Wild Horse Wind Power Project (PSE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
239 Windmill (PGE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240 Total NUG: Renewables	83	83	83	83	83	83	83	83	83	83	83	83	83	83
-Total Non-Utility Generating Resources-														
241 Federal Entities	53	53	53	53	53	53	53	53	53	53	53	53	53	53
242 Public Entities	209	207	157	92	50	51	50	52	68	155	155	241	261	266
243 Investor-Owned Entities	1011	1011	997	968	970	957	937	958	970	934	934	968	1043	1026
244 Other Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59
245 Total Non-Utility Generation	1331	1329	1265	1173	1132	1119	1099	1121	1150	1201	1201	1321	1416	1403

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Table A-25
Dedicated Resources
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4600	4544	4738	4483	4603	4573	4479	4400	4304	4295	4411	4067	4839	4624
2 Total Generating Public Entities	4600	4544	4738	4483	4603	4573	4479	4400	4304	4295	4411	4067	4839	4624
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	157	157	163	145	152	156	152	153	160	148	148	152	151	147
4 Total Non-Generating Public Entities	157	157	163	145	152	156	152	153	160	148	148	152	151	147
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11971	11907	11600	11731	11782	11922	11737	11722	11650	11893	11245	10058	10794	12017
6 Total Investor-owned Entities	11971	11907	11600	11731	11782	11922	11737	11722	11650	11893	11245	10058	10794	12017
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4600	4544	4738	4483	4603	4573	4479	4400	4304	4295	4411	4067	4839	4624
8 Small & Non Generating Entities	157	157	163	145	152	156	152	153	160	148	148	152	151	147
9 Investor-Owned Entities	11971	11907	11600	11731	11782	11922	11737	11722	11650	11893	11245	10058	10794	12017
10 Regional Total Dedicated Resources	16728	16608	16501	16359	16537	16651	16368	16275	16114	16335	15804	14277	15785	16787

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4600	4543	4729	4514	4634	4607	4510	4431	4334	4324	4440	3853	4875	4661
2 Total Generating Public Entities	4600	4543	4729	4514	4634	4607	4510	4431	4334	4324	4440	3853	4875	4661
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	147	147	156	154	152	153	152	153	160	148	148	152	151	147
4 Total Non-Generating Public Entities	147	147	156	154	152	153	152	153	160	148	148	152	151	147
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11984	11920	11997	11887	11778	11919	11756	11741	11667	11910	11786	10436	11365	12023
6 Total Investor-owned Entities	11984	11920	11997	11887	11778	11919	11756	11741	11667	11910	11786	10436	11365	12023
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4600	4543	4729	4514	4634	4607	4510	4431	4334	4324	4440	3853	4875	4661
8 Small & Non Generating Entities	147	147	156	154	152	153	152	153	160	148	148	152	151	147
9 Investor-Owned Entities	11984	11920	11997	11887	11778	11919	11756	11741	11667	11910	11786	10436	11365	12023
10 Regional Total Dedicated Resources	16731	16610	16882	16555	16564	16679	16418	16325	16161	16381	16374	14441	16392	16830

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4638	4581	4767	4519	4641	4611	4517	4439	4339	4321	4437	4094	4873	4658
2 Total Generating Public Entities	4638	4581	4767	4519	4641	4611	4517	4439	4339	4321	4437	4094	4873	4658
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	147	147	156	153	151	155	151	152	159	147	147	151	150	145
4 Total Non-Generating Public Entities	147	147	156	153	151	155	151	152	159	147	147	151	150	145
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11992	12122	12199	11893	11776	11917	11754	11738	11664	11270	11305	10587	11689	12015
6 Total Investor-owned Entities	11992	12122	12199	11893	11776	11917	11754	11738	11664	11270	11305	10587	11689	12015
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4638	4581	4767	4519	4641	4611	4517	4439	4339	4321	4437	4094	4873	4658
8 Small & Non Generating Entities	147	147	156	153	151	155	151	152	159	147	147	151	150	145
9 Investor-Owned Entities	11992	12122	12199	11893	11776	11917	11754	11738	11664	11270	11305	10587	11689	12015
10 Regional Total Dedicated Resources	16776	16850	17122	16566	16568	16683	16422	16329	16163	15737	15889	14831	16712	16818

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4636	4580	4765	4516	4608	4579	4482	4404	4305	4099	4215	4007	4842	4622
2 Total Generating Public Entities	4636	4580	4765	4516	4608	4579	4482	4404	4305	4099	4215	4007	4842	4622
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	146	146	155	153	152	155	153	154	158	150	150	150	149	149
4 Total Non-Generating Public Entities	146	146	155	153	152	155	153	154	158	150	150	150	149	149
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11982	11917	11994	11884	11715	11858	11498	11481	11408	11160	11197	11237	11706	11767
6 Total Investor-owned Entities	11982	11917	11994	11884	11715	11858	11498	11481	11408	11160	11197	11237	11706	11767
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4636	4580	4765	4516	4608	4579	4482	4404	4305	4099	4215	4007	4842	4622
8 Small & Non Generating Entities	146	146	155	153	152	155	153	154	158	150	150	150	149	149
9 Investor-Owned Entities	11982	11917	11994	11884	11715	11858	11498	11481	11408	11160	11197	11237	11706	11767
10 Regional Total Dedicated Resources	16764	16643	16914	16553	16476	16592	16132	16039	15871	15409	15562	15394	16697	16538

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4599	4543	4733	4486	4610	4580	4484	4405	4305	4101	4218	4010	4845	4577
2 Total Generating Public Entities	4599	4543	4733	4486	4610	4580	4484	4405	4305	4101	4218	4010	4845	4577
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	149	149	154	152	151	155	153	154	158	150	150	150	149	149
4 Total Non-Generating Public Entities	149	149	154	152	151	155	153	154	158	150	150	150	149	149
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11736	11670	11747	11636	11533	11661	11400	11385	11309	10639	10414	10612	11015	11672
6 Total Investor-owned Entities	11736	11670	11747	11636	11533	11661	11400	11385	11309	10639	10414	10612	11015	11672
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4599	4543	4733	4486	4610	4580	4484	4405	4305	4101	4218	4010	4845	4577
8 Small & Non Generating Entities	149	149	154	152	151	155	153	154	158	150	150	150	149	149
9 Investor-Owned Entities	11736	11670	11747	11636	11533	11661	11400	11385	11309	10639	10414	10612	11015	11672
10 Regional Total Dedicated Resources	16484	16362	16634	16273	16294	16396	16036	15943	15773	14890	14782	14772	16009	16397

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4543	4487	4676	4559	4679	4648	4539	4461	4370	4422	4539	4238	5016	4769
2 Total Generating Public Entities	4543	4487	4676	4559	4679	4648	4539	4461	4370	4422	4539	4238	5016	4769
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	149	149	124	117	118	118	118	119	123	110	110	110	110	109
4 Total Non-Generating Public Entities	149	149	124	117	118	118	118	119	123	110	110	110	110	109
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	11640	11576	11078	10836	10729	10859	10706	10690	10615	10698	10735	9339	10756	10910
6 Total Investor-owned Entities	11640	11576	11078	10836	10729	10859	10706	10690	10615	10698	10735	9339	10756	10910
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4543	4487	4676	4559	4679	4648	4539	4461	4370	4422	4539	4238	5016	4769
8 Small & Non Generating Entities	149	149	124	117	118	118	118	119	123	110	110	110	110	109
9 Investor-Owned Entities	11640	11576	11078	10836	10729	10859	10706	10690	10615	10698	10735	9339	10756	10910
10 Regional Total Dedicated Resources	16332	16211	15878	15512	15526	15624	15363	15270	15109	15230	15383	13688	15881	15787

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4693	4637	4816	4564	4687	4656	4547	4469	4375	4425	4542	4242	5020	4773
2 Total Generating Public Entities	4693	4637	4816	4564	4687	4656	4547	4469	4375	4425	4542	4242	5020	4773
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
4 Total Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	10931	10866	10949	10838	10732	10861	10709	10693	10617	10270	9778	9973	10727	10851
6 Total Investor-owned Entities	10931	10866	10949	10838	10732	10861	10709	10693	10617	10270	9778	9973	10727	10851
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4693	4637	4816	4564	4687	4656	4547	4469	4375	4425	4542	4242	5020	4773
8 Small & Non Generating Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
9 Investor-Owned Entities	10931	10866	10949	10838	10732	10861	10709	10693	10617	10270	9778	9973	10727	10851
10 Regional Total Dedicated Resources	15733	15611	15883	15519	15537	15635	15374	15281	15115	14806	14431	14325	15856	15732

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4697	4641	4820	4568	4692	4661	4552	4474	4379	4428	4545	4002	5022	4775
2 Total Generating Public Entities	4697	4641	4820	4568	4692	4661	4552	4474	4379	4428	4545	4002	5022	4775
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
4 Total Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	10872	10805	10888	10778	10671	10803	10650	10634	10556	10740	10617	9912	10700	10852
6 Total Investor-owned Entities	10872	10805	10888	10778	10671	10803	10650	10634	10556	10740	10617	9912	10700	10852
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4697	4641	4820	4568	4692	4661	4552	4474	4379	4428	4545	4002	5022	4775
8 Small & Non Generating Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
9 Investor-Owned Entities	10872	10805	10888	10778	10671	10803	10650	10634	10556	10740	10617	9912	10700	10852
10 Regional Total Dedicated Resources	15678	15555	15827	15463	15482	15581	15320	15226	15059	15278	15272	14024	15831	15736

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4699	4643	4823	4571	4697	4666	4557	4479	4383	4431	4548	4248	5025	4778
2 Total Generating Public Entities	4699	4643	4823	4571	4697	4666	4557	4479	4383	4431	4548	4248	5025	4778
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
4 Total Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	10872	10805	10888	10779	10672	10803	10651	10634	10556	10109	10147	9383	10071	10853
6 Total Investor-owned Entities	10872	10805	10888	10779	10672	10803	10651	10634	10556	10109	10147	9383	10071	10853
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4699	4643	4823	4571	4697	4666	4557	4479	4383	4431	4548	4248	5025	4778
8 Small & Non Generating Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
9 Investor-Owned Entities	10872	10805	10888	10779	10672	10803	10651	10634	10556	10109	10147	9383	10071	10853
10 Regional Total Dedicated Resources	15680	15557	15829	15467	15488	15587	15326	15232	15062	14650	14805	13741	15206	15739

Table A-25: Dedicated Resources
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4702	4646	4826	4575	4705	4673	4564	4486	4387	4248	4365	4440	5030	4783
2 Total Generating Public Entities	4702	4646	4826	4575	4705	4673	4564	4486	4387	4248	4365	4440	5030	4783
<i>-Non-Generating Public Entities-</i>														
3 Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
4 Total Non-Generating Public Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	10873	10806	10889	10779	10678	10810	10657	10640	10561	10264	10303	9774	10768	10860
6 Total Investor-owned Entities	10873	10806	10889	10779	10678	10810	10657	10640	10561	10264	10303	9774	10768	10860
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4702	4646	4826	4575	4705	4673	4564	4486	4387	4248	4365	4440	5030	4783
8 Small & Non Generating Entities	109	109	118	117	118	118	118	119	123	110	110	110	110	109
9 Investor-Owned Entities	10873	10806	10889	10779	10678	10810	10657	10640	10561	10264	10303	9774	10768	10860
10 Regional Total Dedicated Resources	15684	15561	15833	15471	15501	15601	15339	15245	15071	14623	14778	14324	15908	15752

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Table A-26
Other Dedicated Resources
Monthly OY 2007 – 2016
1-Hour Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2006 - 2007 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4435	4149	4127	4680	5269	5592	5383	5324	5095	4627	4436	4152	4340	4282
2 Total Generating Public Entities	4435	4149	4127	4680	5269	5592	5383	5324	5095	4627	4436	4152	4340	4282
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	4679	4521	4354	5011	5363	5560	5754	5569	5146	4778	4662	4464	4851	4975
4 Total Non-Generating Public Entities	4679	4521	4354	5011	5363	5560	5754	5569	5146	4778	4662	4464	4851	4975
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5831	5831	5692	5693	6611	6617	6797	6743	6152	6044	6044	4345	5531	5684
6 Total Investor-owned Entities	5831	5831	5692	5693	6611	6617	6797	6743	6152	6044	6044	4345	5531	5684
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4435	4149	4127	4680	5269	5592	5383	5324	5095	4627	4436	4152	4340	4282
8 Non Generating Entities	4679	4521	4354	5011	5363	5560	5754	5569	5146	4778	4662	4464	4851	4975
9 Investor-Owned Entities	5831	5831	5692	5693	6611	6617	6797	6743	6152	6044	6044	4345	5531	5684
10 Regional Total Dedicated Resources	14946	14502	14172	15384	17243	17769	17934	17636	16393	15448	15141	12961	14722	14941

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2008 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4452	4167	4287	4922	5535	5865	5788	5763	5451	4894	4704	4410	4639	4423
2 Total Generating Public Entities	4452	4167	4287	4922	5535	5865	5788	5763	5451	4894	4704	4410	4639	4423
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	4909	4737	4458	5124	5455	5658	5853	5661	5235	4857	4741	4616	5001	5063
4 Total Non-Generating Public Entities	4909	4737	4458	5124	5455	5658	5853	5661	5235	4857	4741	4616	5001	5063
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5559	5559	5346	5730	6638	6677	6803	6799	6210	6099	5659	4313	5972	6024
6 Total Investor-owned Entities	5559	5559	5346	5730	6638	6677	6803	6799	6210	6099	5659	4313	5972	6024
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4452	4167	4287	4922	5535	5865	5788	5763	5451	4894	4704	4410	4639	4423
8 Non Generating Entities	4909	4737	4458	5124	5455	5658	5853	5661	5235	4857	4741	4616	5001	5063
9 Investor-Owned Entities	5559	5559	5346	5730	6638	6677	6803	6799	6210	6099	5659	4313	5972	6024
10 Regional Total Dedicated Resources	14921	14463	14091	15776	17629	18200	18444	18224	16897	15851	15104	13339	15612	15510

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4606	4326	4399	4946	5578	5870	5817	5794	5477	4928	4741	4338	4543	4491
2 Total Generating Public Entities	4606	4326	4399	4946	5578	5870	5817	5794	5477	4928	4741	4338	4543	4491
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	4996	4828	4533	5164	5495	5698	5895	5708	5273	4898	4785	4584	4972	5125
4 Total Non-Generating Public Entities	4996	4828	4533	5164	5495	5698	5895	5708	5273	4898	4785	4584	4972	5125
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5695	5695	5551	5595	6487	6477	6362	6314	6064	5289	4849	3458	5763	5857
6 Total Investor-owned Entities	5695	5695	5551	5595	6487	6477	6362	6314	6064	5289	4849	3458	5763	5857
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4606	4326	4399	4946	5578	5870	5817	5794	5477	4928	4741	4338	4543	4491
8 Non Generating Entities	4996	4828	4533	5164	5495	5698	5895	5708	5273	4898	4785	4584	4972	5125
9 Investor-Owned Entities	5695	5695	5551	5595	6487	6477	6362	6314	6064	5289	4849	3458	5763	5857
10 Regional Total Dedicated Resources	15297	14849	14483	15705	17560	18045	18073	17816	16814	15115	14374	12380	15277	15473

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4639	4379	4403	4968	5692	5987	6128	6106	5798	5246	5058	4782	4983	4803
2 Total Generating Public Entities	4639	4379	4403	4968	5692	5987	6128	6106	5798	5246	5058	4782	4983	4803
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5040	4882	4557	5192	5524	5725	5925	5737	5302	4923	4809	4684	5069	5146
4 Total Non-Generating Public Entities	5040	4882	4557	5192	5524	5725	5925	5737	5302	4923	4809	4684	5069	5146
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5706	5706	5566	5608	6203	6188	6347	6300	6039	5928	5928	3720	5214	5742
6 Total Investor-owned Entities	5706	5706	5566	5608	6203	6188	6347	6300	6039	5928	5928	3720	5214	5742
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4639	4379	4403	4968	5692	5987	6128	6106	5798	5246	5058	4782	4983	4803
8 Non Generating Entities	5040	4882	4557	5192	5524	5725	5925	5737	5302	4923	4809	4684	5069	5146
9 Investor-Owned Entities	5706	5706	5566	5608	6203	6188	6347	6300	6039	5928	5928	3720	5214	5742
10 Regional Total Dedicated Resources	15385	14967	14526	15768	17419	17900	18399	18144	17138	16097	15796	13186	15266	15692

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	4964	4704	4727	5310	5919	6238	6181	6159	5832	5277	5090	4681	4928	4941
2 Total Generating Public Entities	4964	4704	4727	5310	5919	6238	6181	6159	5832	5277	5090	4681	4928	4941
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5068	4904	4586	5227	5559	5760	5962	5774	5336	4954	4840	4634	5016	5172
4 Total Non-Generating Public Entities	5068	4904	4586	5227	5559	5760	5962	5774	5336	4954	4840	4634	5016	5172
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5591	5591	5534	5575	6171	6048	6131	6087	5940	5831	5831	4003	5505	5597
6 Total Investor-owned Entities	5591	5591	5534	5575	6171	6048	6131	6087	5940	5831	5831	4003	5505	5597
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	4964	4704	4727	5310	5919	6238	6181	6159	5832	5277	5090	4681	4928	4941
8 Non Generating Entities	5068	4904	4586	5227	5559	5760	5962	5774	5336	4954	4840	4634	5016	5172
9 Investor-Owned Entities	5591	5591	5534	5575	6171	6048	6131	6087	5940	5831	5831	4003	5505	5597
10 Regional Total Dedicated Resources	15623	15200	14847	16113	17649	18046	18274	18019	17108	16062	15762	13318	15449	15710

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	5072	4812	4848	5322	5933	6210	6160	6179	5753	5226	5038	5100	5129	4955
2 Total Generating Public Entities	5072	4812	4848	5322	5933	6210	6160	6179	5753	5226	5038	5100	5129	4955
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5089	4932	4638	5353	5672	5874	6086	5882	5453	5069	4955	4819	5207	5286
4 Total Non-Generating Public Entities	5089	4932	4638	5353	5672	5874	6086	5882	5453	5069	4955	4819	5207	5286
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5442	5442	5388	5431	5751	5626	5812	5771	5680	4900	4900	3432	5541	5656
6 Total Investor-owned Entities	5442	5442	5388	5431	5751	5626	5812	5771	5680	4900	4900	3432	5541	5656
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	5072	4812	4848	5322	5933	6210	6160	6179	5753	5226	5038	5100	5129	4955
8 Non Generating Entities	5089	4932	4638	5353	5672	5874	6086	5882	5453	5069	4955	4819	5207	5286
9 Investor-Owned Entities	5442	5442	5388	5431	5751	5626	5812	5771	5680	4900	4900	3432	5541	5656
10 Regional Total Dedicated Resources	15602	15185	14874	16107	17356	17709	18059	17832	16887	15194	14893	13350	15876	15898

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	5056	4797	4742	5307	5919	6199	6151	6161	5795	5265	5077	5006	5030	4987
2 Total Generating Public Entities	5056	4797	4742	5307	5919	6199	6151	6161	5795	5265	5077	5006	5030	4987
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5210	5054	4729	5358	5676	5875	6120	5921	5487	5099	4985	4769	5155	5314
4 Total Non-Generating Public Entities	5210	5054	4729	5358	5676	5875	6120	5921	5487	5099	4985	4769	5155	5314
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5504	5504	5449	5505	5788	5671	5855	5814	5698	5582	5582	3680	5125	5672
6 Total Investor-owned Entities	5504	5504	5449	5505	5788	5671	5855	5814	5698	5582	5582	3680	5125	5672
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	5056	4797	4742	5307	5919	6199	6151	6161	5795	5265	5077	5006	5030	4987
8 Non Generating Entities	5210	5054	4729	5358	5676	5875	6120	5921	5487	5099	4985	4769	5155	5314
9 Investor-Owned Entities	5504	5504	5449	5505	5788	5671	5855	5814	5698	5582	5582	3680	5125	5672
10 Regional Total Dedicated Resources	15770	15356	14919	16170	17383	17745	18127	17896	16980	15946	15645	13456	15311	15974

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	5087	4830	4773	5369	5987	6272	6224	6236	5864	5327	5139	5192	5211	5050
2 Total Generating Public Entities	5087	4830	4773	5369	5987	6272	6224	6236	5864	5327	5139	5192	5211	5050
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5236	5081	4757	5417	5737	5938	6181	5981	5543	5150	5037	4895	5280	5364
4 Total Non-Generating Public Entities	5236	5081	4757	5417	5737	5938	6181	5981	5543	5150	5037	4895	5280	5364
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5534	5534	5467	5503	5786	5669	5857	5816	5700	5584	5584	4061	5587	5632
6 Total Investor-owned Entities	5534	5534	5467	5503	5786	5669	5857	5816	5700	5584	5584	4061	5587	5632
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	5087	4830	4773	5369	5987	6272	6224	6236	5864	5327	5139	5192	5211	5050
8 Non Generating Entities	5236	5081	4757	5417	5737	5938	6181	5981	5543	5150	5037	4895	5280	5364
9 Investor-Owned Entities	5534	5534	5467	5503	5786	5669	5857	5816	5700	5584	5584	4061	5587	5632
10 Regional Total Dedicated Resources	15857	15445	14998	16288	17511	17879	18262	18033	17107	16062	15760	14148	16078	16047

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	5148	4893	4836	5444	6069	6359	6306	6319	5939	5396	5208	5127	5139	5099
2 Total Generating Public Entities	5148	4893	4836	5444	6069	6359	6306	6319	5939	5396	5208	5127	5139	5099
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5284	5129	4803	5470	5793	5996	6242	6041	5599	5201	5087	4866	5249	5413
4 Total Non-Generating Public Entities	5284	5129	4803	5470	5793	5996	6242	6041	5599	5201	5087	4866	5249	5413
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5527	5527	5483	5518	5801	5661	5949	5909	5793	5012	5012	3547	5625	5736
6 Total Investor-owned Entities	5527	5527	5483	5518	5801	5661	5949	5909	5793	5012	5012	3547	5625	5736
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	5148	4893	4836	5444	6069	6359	6306	6319	5939	5396	5208	5127	5139	5099
8 Non Generating Entities	5284	5129	4803	5470	5793	5996	6242	6041	5599	5201	5087	4866	5249	5413
9 Investor-Owned Entities	5527	5527	5483	5518	5801	5661	5949	5909	5793	5012	5012	3547	5625	5736
10 Regional Total Dedicated Resources	15960	15550	15122	16432	17663	18016	18497	18269	17331	15609	15307	13539	16012	16249

Table A-26: Other Dedicated Resources
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<i>-Generating Public Entities-</i>														
1 Generating Public Entities	5197	4943	4886	5509	6132	6429	6375	6398	6001	5452	5263	5305	5312	5144
2 Total Generating Public Entities	5197	4943	4886	5509	6132	6429	6375	6398	6001	5452	5263	5305	5312	5144
<i>-Non-Generating Public Entities-</i>														
3 Small & Non Generating Public Entities	5331	5178	4850	5528	5853	6057	6306	6080	5657	5254	5140	4993	5374	5465
4 Total Non-Generating Public Entities	5331	5178	4850	5528	5853	6057	6306	6080	5657	5254	5140	4993	5374	5465
<i>-Investor-Owned Entities-</i>														
5 Investor-Owned Entities	5632	5632	5586	5621	5903	5764	5951	5911	5795	5678	5678	3772	5244	5790
6 Total Investor-owned Entities	5632	5632	5586	5621	5903	5764	5951	5911	5795	5678	5678	3772	5244	5790
<i>-Total Dedicated Resources-</i>														
7 Generating Public Entities	5197	4943	4886	5509	6132	6429	6375	6398	6001	5452	5263	5305	5312	5144
8 Non Generating Entities	5331	5178	4850	5528	5853	6057	6306	6080	5657	5254	5140	4993	5374	5465
9 Investor-Owned Entities	5632	5632	5586	5621	5903	5764	5951	5911	5795	5678	5678	3772	5244	5790
10 Regional Total Dedicated Resources	16161	15753	15322	16658	17889	18250	18633	18389	17452	16384	16082	14070	15930	16399

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

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

For OY 2007 – 2016

Power Business Line

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Loads and Resources Information System

Loads and Resources - Federal System
PNW Loads and Resource Study
2006 - 2007 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	223	223	176	218	227	215	240	227	215	200	200	193	210	203
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	265	265	265	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	708	715	647	254	227	215	240	227	243	426	462	481	470	472
Transfers Out														
<i>NGP 2002 PSC</i>	3587	3602	3484	4077	4323	4510	4801	4612	4216	3940	3938	3756	3746	3907
<i>GPU 2002 PSC</i>	2101	2101	2177	2642	2998	3307	3344	3281	3076	2760	2760	2447	2099	2112
<i>NGP 2002 Slice PSC</i>	927	761	683	730	831	847	719	732	729	642	538	560	934	896
<i>GPU 2002 Slice PSC</i>	1543	1267	1138	1215	1385	1411	1197	1219	1214	1070	897	933	1555	1493
<i>IOU 2002 PSC</i>	382	382	382	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1791	1791	1787	1543	1468	1483	1480	1480	1470	1476	1476	1566	1567	1579
<i>Regional Transfers (Out)</i>	918	918	697	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-771	-802	-977	-1432	-1379	-1210	-1413	-1396	-1272	-1117	-1189	-1166	-988	-875
<i>Total Transfers Out</i>	10478	10020	9370	9475	10544	11320	11074	10830	10225	9535	9184	8688	9557	9771
<i>Total Firm Obligations</i>	11186	10735	10016	9729	10771	11535	11314	11057	10467	9961	9646	9169	10027	10244
Hydro Resources														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20519
<i>Independent Hydro</i>	721	733	713	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4761	-7232	-8532	-8219	-7212	-7593	-9601	-9014	-8704	-8709	-9926	-9371	-5578	-5859
<i>Non-Fed CER (Canada)</i>	234	234	234	234	234	234	234	234	234	228	228	228	228	228
<i>Total Hydro Resources</i>	16395	13820	12852	13245	14443	13787	11719	12360	12373	11601	10066	11319	15877	15604
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	139	139	168	204	257	311	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	848	848	871	408	408	385	10	10	10	10	10	10	10	10
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	2195	2195	2231	1822	1884	1909	1459	1414	1385	1387	1387	162	162	1323
<i>Total Resources</i>	18590	16015	15084	15067	16327	15695	13178	13774	13758	12987	11453	11481	16039	16927
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1046	-1041	-1058	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-332	-280	-255	-266	-297	-301	-261	-265	-265	-243	-212	-210	-325	-324
<i>Federal Trans. Losses</i>	-461	-394	-363	-362	-405	-412	-344	-348	-347	-318	-277	-284	-436	-422
<i>Total Reserves, Maintenance & Losses</i>	-5278	-4651	-4619	-4616	-4654	-3813	-3243	-3729	-3745	-3803	-3458	-3277	-3461	-4767
<i>Total Net Resources</i>	13312	11364	10464	10450	11674	11883	9935	10045	10013	9185	7996	8204	12579	12161
<i>Total Firm Surplus/Deficit</i>	2126	629	448	722	903	348	-1379	-1012	-454	-776	-1650	-965	2552	1917

Loads and Resources - Federal System
PNW Loads and Resource Study
2007 - 2008 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	246	246	188	231	241	226	255	240	227	211	211	201	222	215
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	466	473	393	267	241	226	255	240	255	437	473	489	482	484
Transfers Out														
<i>NGP 2002 PSC</i>	3807	3807	3577	4198	4425	4619	4913	4716	4314	4028	4026	3838	3827	3993
<i>GPU 2002 PSC</i>	2225	2225	2470	2990	3372	3693	3760	3730	3440	3034	3034	2578	2272	2238
<i>NGP 2002 Slice PSC</i>	927	761	683	731	833	848	719	733	730	644	540	641	1013	909
<i>GPU 2002 Slice PSC</i>	1544	1268	1137	1218	1387	1413	1197	1220	1217	1072	900	1067	1687	1515
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1575	1575	1569	1545	1470	1486	1482	1482	1472	1477	1451	1515	1516	1528
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-859	-891	-1068	-1469	-1407	-1432	-1655	-1643	-1478	-1281	-1363	-1325	-1098	-968
<i>Total Transfers Out</i>	9823	9350	9002	9912	10995	11597	11361	11140	10486	9737	9351	8905	9863	9875
<i>Total Firm Obligations</i>	10290	9823	9396	10179	11236	11824	11616	11380	10740	10174	9824	9395	10345	10359
Hydro Resources														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20519
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4736	-7205	-8512	-8197	-7193	-7577	-9601	-8999	-8686	-8690	-9906	-9332	-5552	-5696
<i>Non-Fed CER (Canada)</i>	228	228	228	228	228	228	228	228	228	225	225	225	225	225
<i>Total Hydro Resources</i>	16395	13822	12847	13261	14456	13797	11713	12369	12385	11616	10083	11355	15900	15765
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	10	10	33	33	33	10	10	10	10	10	10	10	10	10
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1307	1307	1343	1397	1459	1484	1459	1414	1385	1387	1387	1312	1312	1323
<i>Total Resources</i>	17702	15130	14190	14658	15915	15281	13172	13783	13770	13003	11470	12667	17212	17088
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1045	-1040	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-332	-280	-255	-266	-297	-302	-261	-266	-266	-244	-212	-245	-360	-328
<i>Federal Trans. Losses</i>	-432	-364	-333	-348	-391	-398	-344	-348	-347	-319	-278	-317	-468	-427
<i>Total Reserves, Maintenance & Losses</i>	-5247	-4621	-4589	-4603	-4640	-3799	-3243	-3730	-3746	-3804	-3459	-3518	-3700	-4776
<i>Total Net Resources</i>	12454	10509	9602	10054	11275	11482	9929	10053	10024	9199	8012	9149	13512	12312
<i>Total Firm Surplus/Deficit</i>	2165	686	206	-125	39	-342	-1687	-1327	-716	-975	-1813	-246	3166	1952

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3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	264	264	198	255	267	248	283	265	250	231	231	218	246	237
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	484	491	403	291	267	248	283	265	278	457	493	506	506	506
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	3897	3897	3661	4247	4476	4672	4969	4776	4364	4073	4071	3881	3868	4036
<i>GPU 2002 PSC</i>	2371	2371	2590	3021	3424	3709	3801	3771	3476	3064	3064	2621	2280	2260
<i>NGP 2002 Slice PSC</i>	935	772	683	731	833	848	718	733	730	651	549	576	955	940
<i>GPU 2002 Slice PSC</i>	1558	1286	1137	1218	1387	1413	1196	1220	1216	1085	915	959	1590	1566
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1531	1531	1525	1454	1403	1413	1411	1411	1404	1418	1418	1485	1486	1494
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-949	-985	-1187	-1678	-1630	-1453	-1680	-1668	-1500	-1299	-1382	-1344	-1114	-982
<i>Total Transfers Out</i>	9948	9477	9042	9693	10810	11574	11359	11143	10481	9756	9399	8770	9709	9973
<i>Total Firm Obligations</i>	10432	9968	9445	9984	11077	11821	11642	11408	10759	10213	9892	9276	10215	10480
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20201	20085	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4623	-7063	-8506	-8191	-7187	-7572	-9601	-8994	-8682	-8605	-9800	-9179	-5320	-5320
<i>Non-Fed CER (Canada)</i>	225	225	225	225	225	225	225	225	225	236	236	236	236	236
<i>Total Hydro Resources</i>	16504	13961	12849	13264	14459	13799	11710	12370	12386	11712	10200	11519	16143	16152
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	10	10	33	33	33	10	10	10	10	10	10	10	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	34	34	17	32	41	32	32	32	32	32	32	49	32	29
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1307	1307	1343	1397	1459	1484	1459	1414	1385	1387	1387	162	152	1313
<i>Total Resources</i>	17812	15268	14193	14661	15919	15283	13169	13785	13772	13099	11587	11681	16295	17465
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1045	-1040	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-3.0	-3.5	-3.1	-3.2	-3.2	-3.1	-3.1	-3.1	-3.8	-2.9	-2.7
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-335	-284	-255	-266	-297	-302	-261	-266	-266	-246	-215	-214	-332	-337
<i>Federal Trans. Losses</i>	-435	-369	-333	-349	-391	-398	-344	-349	-348	-322	-282	-291	-444	-439
<i>Total Reserves, Maintenance & Losses</i>	-5254	-4629	-4589	-4603	-4640	-3799	-3243	-3730	-3746	-3809	-3465	-3289	-3475	-4798
<i>Total Net Resources</i>	12558	10639	9604	10058	11278	11484	9926	10055	10026	9290	8122	8392	12819	12667
<i>Total Firm Surplus/Deficit</i>	2126	671	158	73	202	-338	-1716	-1354	-733	-922	-1770	-883	2605	2188

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	300	300	216	256	268	249	284	267	251	232	232	219	247	238
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	520	527	421	292	268	249	284	267	279	458	494	507	507	508
Transfers Out														
<i>NGP 2002 PSC</i>	3940	3940	3702	4288	4519	4715	5015	4820	4406	4112	4110	3916	3902	4071
<i>GPU 2002 PSC</i>	2393	2393	2613	3055	3461	3750	3842	3812	3512	3097	3097	2650	2304	2284
<i>NGP 2002 Slice PSC</i>	947	792	676	728	830	845	714	730	727	648	546	650	1029	938
<i>GPU 2002 Slice PSC</i>	1577	1319	1126	1213	1382	1408	1189	1215	1211	1079	909	1083	1714	1562
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1600	1600	1596	1556	1504	1514	1511	1511	1506	1521	1521	1588	1565	1572
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-965	-1001	-1204	-1696	-1648	-1469	-1698	-1687	-1516	-1313	-1397	-1358	-1126	-991
<i>Total Transfers Out</i>	10097	9648	9143	9844	10966	11734	11519	11303	10636	9907	9549	9121	10033	10095
<i>Total Firm Obligations</i>	10617	10175	9564	10136	11234	11983	11803	11570	10915	10365	10043	9628	10540	10602
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4579	-6914	-8491	-8174	-7171	-7558	-9601	-8983	-8669	-8594	-9790	-9163	-5307	-5297
<i>Non-Fed CER (Canada)</i>	236	236	236	236	236	236	236	236	236	244	244	244	244	244
<i>Total Hydro Resources</i>	16770	14331	12875	13292	14486	13824	11721	12393	12410	11732	10219	11542	16164	16183
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	34	34	17	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1297	1297	1333	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18067	15629	14209	14699	15947	15318	13191	13818	13806	13129	11616	12849	17487	17520
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-2.9	-2.9	-2.1	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-341	-293	-256	-267	-298	-303	-262	-267	-267	-247	-216	-249	-367	-338
<i>Federal Trans. Losses</i>	-443	-380	-333	-350	-392	-399	-345	-350	-349	-323	-282	-323	-477	-441
<i>Total Reserves, Maintenance & Losses</i>	-5279	-4659	-4590	-4607	-4643	-3802	-3245	-3733	-3749	-3812	-3468	-3528	-3717	-4802
<i>Total Net Resources</i>	12788	10969	9619	10092	11305	11516	9946	10085	10057	9317	8149	9321	13770	12718
<i>Total Firm Surplus/Deficit</i>	2171	794	55	-44	71	-467	-1858	-1485	-858	-1047	-1894	-308	3230	2116

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	301	301	217	257	269	250	286	268	253	233	233	220	248	240
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	521	528	422	293	269	250	286	268	280	459	495	508	508	509
Transfers Out														
<i>NGP 2002 PSC</i>	3973	3970	3736	4332	4564	4760	5064	4868	4450	4152	4150	3953	3936	4106
<i>GPU 2002 PSC</i>	2417	2417	2638	3104	3482	3791	3884	3855	3549	3132	3132	2680	2330	2324
<i>NGP 2002 Slice PSC</i>	953	798	681	730	831	847	715	731	729	648	546	574	952	939
<i>GPU 2002 Slice PSC</i>	1587	1329	1135	1216	1385	1410	1191	1217	1213	1080	910	956	1586	1563
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1569	1569	1565	1541	1498	1509	1506	1506	1499	1512	1512	1571	1572	1580
<i>Regional Transfers (Out)</i>	605	605	634	700	917	971	945	901	791	764	764	592	645	660
<i>Federal Diversity</i>	-974	-1010	-1215	-1716	-1667	-1485	-1717	-1706	-1533	-1328	-1412	-1373	-1137	-1001
<i>Total Transfers Out</i>	10130	9678	9174	9908	11010	11804	11588	11372	10698	9961	9602	8953	9884	10171
<i>Total Firm Obligations</i>	10651	10206	9596	10201	11279	12054	11874	11640	10978	10420	10097	9461	10393	10680
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4567	-6900	-8483	-8165	-7162	-7550	-9601	-8976	-8662	-8587	-9782	-9153	-5297	-5284
<i>Non-Fed CER (Canada)</i>	244	244	244	244	244	244	244	244	244	242	242	242	242	242
<i>Total Hydro Resources</i>	16790	14353	12891	13309	14503	13840	11729	12408	12425	11736	10224	11551	16171	16194
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18107	15670	14260	14717	15965	15334	13199	13833	13821	13134	11622	11707	16344	17530
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-342	-294	-257	-267	-298	-303	-262	-267	-267	-247	-216	-215	-333	-339
<i>Federal Trans. Losses</i>	-445	-382	-335	-350	-392	-400	-345	-350	-349	-323	-283	-292	-446	-441
<i>Total Reserves, Maintenance & Losses</i>	-5282	-4662	-4594	-4607	-4643	-3803	-3245	-3734	-3750	-3812	-3468	-3290	-3479	-4803
<i>Total Net Resources</i>	12825	11007	9666	10109	11321	11531	9953	10099	10071	9322	8154	8417	12865	12728
<i>Total Firm Surplus/Deficit</i>	2174	801	70	-92	42	-523	-1921	-1541	-907	-1098	-1943	-1044	2472	2048

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	302	302	218	259	270	251	287	269	254	234	234	221	249	241
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	522	529	423	295	271	252	287	270	281	460	496	509	509	510
Transfers Out														
<i>NGP 2002 PSC</i>	4004	4004	3767	4439	4663	4858	5174	4960	4550	4250	4247	4043	4032	4204
<i>GPU 2002 PSC</i>	2428	2428	2663	3046	3452	3719	3822	3831	3481	3090	3090	2978	2410	2395
<i>NGP 2002 Slice PSC</i>	953	798	682	730	832	847	715	731	729	649	546	652	1030	939
<i>GPU 2002 Slice PSC</i>	1588	1330	1135	1216	1385	1411	1190	1218	1214	1080	910	1085	1715	1564
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1580	1580	1575	1465	1419	1420	1418	1419	1418	1447	1447	1510	1511	1512
<i>Regional Transfers (Out)</i>	605	605	59	108	325	379	353	309	199	172	172	0.1	53	68
<i>Federal Diversity</i>	-983	-1020	-1227	-1724	-1671	-1489	-1723	-1710	-1537	-1334	-1419	-1451	-1161	-1022
<i>Total Transfers Out</i>	10174	9725	8654	9281	10405	11145	10948	10758	10054	9353	8994	8817	9590	9660
<i>Total Firm Obligations</i>	10696	10254	9077	9576	10676	11396	11235	11028	10335	9813	9490	9327	10099	10170
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4557	-6890	-8477	-8158	-7155	-7544	-9601	-8971	-8657	-8582	-9776	-9145	-5291	-5275
<i>Non-Fed CER (Canada)</i>	242	242	242	242	242	242	242	242	242	238	238	238	238	238
<i>Total Hydro Resources</i>	16798	14362	12896	13314	14508	13844	11727	12411	12428	11738	10226	11555	16174	16199
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18114	15678	14264	14721	15970	15338	13197	13836	13824	13135	11623	12861	17497	17536
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-342	-294	-257	-268	-298	-303	-262	-267	-267	-247	-216	-250	-367	-339
<i>Federal Trans. Losses</i>	-445	-382	-335	-351	-393	-400	-345	-350	-349	-323	-283	-323	-478	-441
<i>Total Reserves, Maintenance & Losses</i>	-5282	-4663	-4594	-4608	-4644	-3803	-3245	-3734	-3750	-3812	-3468	-3529	-3718	-4803
<i>Total Net Resources</i>	12832	11015	9670	10114	11326	11535	9951	10102	10074	9323	8155	9332	13779	12733
<i>Total Firm Surplus/Deficit</i>	2136	761	593	538	650	139	-1284	-926	-261	-490	-1335	5.4	3680	2563

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	303	303	219	258	270	251	288	271	255	235	235	222	250	242
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	523	530	424	294	270	251	288	271	283	461	498	510	511	511
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	4107	4107	3869	4452	4677	4871	5218	5008	4590	4286	4284	4077	4064	4237
<i>GPU 2002 PSC</i>	2467	2467	2612	3086	3495	3766	3873	3872	3525	3130	3131	3014	2440	2425
<i>NGP 2002 Slice PSC</i>	955	801	683	732	833	848	714	732	730	649	547	575	953	941
<i>GPU 2002 Slice PSC</i>	1590	1333	1137	1219	1387	1412	1190	1219	1216	1082	911	958	1588	1567
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1511	1512
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	53	68
<i>Federal Diversity</i>	-995	-1031	-1229	-1735	-1682	-1500	-1741	-1729	-1554	-1348	-1433	-1465	-1172	-1031
<i>Total Transfers Out</i>	9650	9202	8625	9326	10453	11197	11025	10830	10124	9418	9058	8669	9438	9719
<i>Total Firm Obligations</i>	10173	9733	9049	9620	10724	11448	11313	11101	10407	9879	9555	9179	9948	10230
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4533	-6858	-8457	-8136	-7136	-7527	-9601	-8956	-8640	-8567	-9765	-9127	-5275	-5245
<i>Non-Fed CER (Canada)</i>	238	238	238	238	238	238	238	238	238	234	234	234	234	234
<i>Total Hydro Resources</i>	16818	14390	12911	13332	14524	13857	11723	12422	12441	11748	10234	11569	16186	16225
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18134	15706	14280	14739	15985	15351	13193	13847	13837	13146	11631	11725	16359	17562
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-343	-295	-257	-268	-299	-304	-262	-267	-267	-247	-216	-216	-333	-340
<i>Federal Trans. Losses</i>	-445	-383	-336	-351	-393	-400	-345	-351	-350	-323	-283	-292	-446	-442
<i>Total Reserves, Maintenance & Losses</i>	-5283	-4665	-4595	-4609	-4645	-3804	-3245	-3735	-3751	-3813	-3469	-3292	-3480	-4805
<i>Total Net Resources</i>	12851	11041	9685	10130	11340	11547	9948	10112	10086	9333	8163	8434	12879	12757
<i>Total Firm Surplus/Deficit</i>	2678	1309	635	510	617	99	-1365	-989	-320	-546	-1393	-746	2931	2527

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	305	305	220	260	272	253	290	273	257	237	237	224	252	244
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	525	532	426	296	272	253	290	273	285	463	499	512	512	513
Transfers Out														
<i>NGP 2002 PSC</i>	4139	4140	3902	4505	4733	4929	5279	5067	4645	4336	4334	4124	4110	4285
<i>GPU 2002 PSC</i>	2497	2497	2644	3138	3555	3831	3937	3936	3581	3181	3181	3059	2480	2464
<i>NGP 2002 Slice PSC</i>	956	803	684	733	834	849	714	733	731	650	548	654	1032	943
<i>GPU 2002 Slice PSC</i>	1593	1337	1140	1221	1390	1414	1189	1221	1217	1083	913	1089	1719	1571
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1511	1465	1419	1420	1418	1418	1418	1447	1447	1510	1510	1512
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-1003	-1041	-1241	-1760	-1707	-1521	-1766	-1754	-1576	-1367	-1453	-1485	-1187	-1045
<i>Total Transfers Out</i>	9707	9261	8681	9410	10548	11300	11123	10930	10216	9503	9141	8951	9682	9765
<i>Total Firm Obligations</i>	10232	9792	9106	9707	10820	11554	11414	11203	10501	9966	9640	9463	10194	10278
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4509	-6826	-8437	-8115	-7116	-7510	-9601	-8941	-8623	-8553	-9753	-9108	-5259	-5215
<i>Non-Fed CER (Canada)</i>	234	234	234	234	234	234	234	234	234	233	233	233	233	233
<i>Total Hydro Resources</i>	16838	14417	12927	13349	14540	13870	11719	12433	12454	11762	10245	11586	16201	16254
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	23	23	23	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1369	1407	1461	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18154	15734	14296	14756	16001	15365	13189	13858	13851	13159	11642	12892	17524	17590
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-343	-295	-258	-269	-299	-304	-262	-268	-268	-248	-217	-250	-368	-340
<i>Federal Trans. Losses</i>	-446	-384	-336	-352	-394	-401	-345	-351	-350	-324	-283	-324	-478	-443
<i>Total Reserves, Maintenance & Losses</i>	-5284	-4666	-4596	-4610	-4646	-3805	-3245	-3735	-3752	-3814	-3470	-3531	-3719	-4806
<i>Total Net Resources</i>	12870	11067	9700	10146	11355	11560	9944	10123	10099	9346	8173	9362	13804	12784
<i>Total Firm Surplus/Deficit</i>	2638	1275	593	439	535	6.1	-1470	-1080	-402	-621	-1468	-102	3610	2506

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
<u>Non-Utility Obligations</u>														
<i>Fed. Agencies 2002 PSC</i>	306	306	222	262	274	255	292	275	259	239	239	226	254	245
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	526	533	427	298	274	255	292	275	287	465	501	514	514	514
<u>Transfers Out</u>														
<i>NGP 2002 PSC</i>	4186	4186	3946	4557	4787	4985	5340	5126	4700	4387	4384	4171	4156	4333
<i>GPU 2002 PSC</i>	2536	2536	2684	3191	3614	3896	4003	4002	3638	3233	3233	3105	2520	2504
<i>NGP 2002 Slice PSC</i>	958	805	685	734	835	850	714	734	732	651	548	578	955	945
<i>GPU 2002 Slice PSC</i>	1595	1340	1142	1223	1391	1416	1189	1222	1219	1085	913	962	1591	1574
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1512	1512	1510	1465	1419	1419	1418	1418	1418	1447	1447	1494	1495	1496
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-1016	-1054	-1257	-1785	-1731	-1543	-1791	-1779	-1598	-1386	-1473	-1504	-1203	-1058
<i>Total Transfers Out</i>	9784	9338	8753	9494	10641	11403	11225	11032	10308	9588	9224	8805	9532	9827
<i>Total Firm Obligations</i>	10310	9871	9180	9793	10915	11658	11517	11307	10594	10053	9725	9319	10046	10342
<u>Hydro Resources</u>														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4492	-6801	-8421	-8098	-7101	-7496	-9601	-8928	-8608	-8542	-9745	-9096	-5247	-5192
<i>Non-Fed CER (Canada)</i>	233	233	233	233	233	233	233	233	233	231	231	231	231	231
<i>Total Hydro Resources</i>	16855	14441	12942	13365	14554	13883	11718	12444	12468	11771	10251	11597	16210	16276
<u>Other Resources</u>														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1346	1384	1438	1495	1470	1425	1396	1398	1398	156	173	1337
<i>Total Resources</i>	18171	15758	14288	14749	15992	15377	13188	13869	13864	13169	11648	11753	16383	17612
<u>Reserves & Maintenance</u>														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-344	-296	-258	-269	-300	-304	-262	-268	-268	-248	-217	-217	-334	-341
<i>Federal Trans. Losses</i>	-447	-384	-336	-351	-393	-401	-345	-351	-350	-324	-283	-293	-447	-444
<i>Total Reserves, Maintenance & Losses</i>	-5285	-4668	-4597	-4610	-4646	-3806	-3245	-3736	-3752	-3814	-3470	-3293	-3482	-4808
<i>Total Net Resources</i>	12886	11090	9691	10139	11346	11572	9943	10133	10111	9354	8178	8460	12902	12805
<i>Total Firm Surplus/Deficit</i>	2576	1219	512	346	431	-86	-1575	-1173	-483	-699	-1547	-858	2856	2463

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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
<i>Fed. Agencies 2002 PSC</i>	308	308	224	264	276	257	294	276	261	240	240	227	255	247
<i>USBR 2002 PSC</i>	220	227	205	36	0.3	0.3	0.3	0.3	28	226	262	288	260	269
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	528	535	429	300	276	257	294	277	289	466	503	515	515	516
Transfers Out														
<i>NGP 2002 PSC</i>	4232	4232	3992	4613	4846	5046	5404	5164	4757	4439	4437	4220	4203	4382
<i>GPU 2002 PSC</i>	2577	2577	2726	3248	3676	3964	4073	4080	3698	3288	3288	3153	2563	2547
<i>NGP 2002 Slice PSC</i>	959	807	687	736	837	851	714	735	733	652	549	656	1033	947
<i>GPU 2002 Slice PSC</i>	1597	1343	1143	1225	1393	1417	1189	1223	1221	1085	914	1092	1721	1576
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	1496	1496	1495	1465	1418	1419	1418	1418	1418	1447	1447	1432	1433	1434
<i>Regional Transfers (Out)</i>	13	13	42	108	325	379	353	309	199	172	172	0.1	18	34
<i>Federal Diversity</i>	-1029	-1067	-1274	-1811	-1757	-1566	-1817	-1800	-1622	-1406	-1494	-1525	-1219	-1073
<i>Total Transfers Out</i>	9845	9401	8811	9583	10738	11510	11333	11129	10404	9677	9312	9028	9752	9848
<i>Total Firm Obligations</i>	10373	9936	9240	9883	11014	11767	11627	11406	10692	10144	9814	9543	10268	10364
Hydro Resources														
<i>Regulated Hydro</i>	20411	20296	20437	20530	20742	20502	20473	20422	20063	19278	18958	19621	20385	20520
<i>Independent Hydro</i>	702	714	693	700	679	644	613	717	780	803	806	840	842	716
<i>Operational Peaking Adj.</i>	-4474	-6776	-8405	-8081	-7086	-7483	-9601	-8916	-8594	-8530	-9736	-9083	-5236	-5168
<i>Non-Fed CER (Canada)</i>	231	231	231	231	231	231	231	231	231	225	225	225	225	225
<i>Total Hydro Resources</i>	16870	14464	12956	13380	14567	13894	11716	12454	12480	11776	10253	11604	16216	16293
Other Resources														
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	25	25	25	27	29	30	32	31	30	29	29	27	26	24
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	89	89	118	154	207	261	235	191	163	166	166	76	94	110
<i>Regional Transfers (In)</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal</i>	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
<i>Non-Utility Generation</i>	53	53	53	53	53	53	53	53	53	53	53	53	53	53
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1316	1316	1346	1384	1438	1495	1470	1425	1396	1398	1398	1306	1323	1337
<i>Total Resources</i>	18187	15781	14302	14764	16005	15389	13186	13879	13876	13174	11651	12910	17539	17630
Reserves & Maintenance														
<i>Hydro Reserves</i>	-1056	-1050	-1057	-1061	-1071	-1057	-1054	-1057	-1042	-1004	-988	-1023	-1061	-1062
<i>Small Thermal & Misc. Reserves</i>	-3.9	-3.9	-3.9	-4	-4.1	-4.2	-4.2	-4.2	-4.2	-4.1	-4.1	-4	-3.9	-3.8
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
<i>Federal Hydro Maint.</i>	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
<i>Spinning Reserves</i>	-344	-297	-259	-269	-300	-305	-262	-268	-268	-248	-217	-251	-368	-342
<i>Federal Trans. Losses</i>	-447	-385	-336	-352	-394	-401	-345	-352	-351	-324	-284	-325	-479	-444
<i>Total Reserves, Maintenance & Losses</i>	-5286	-4669	-4597	-4611	-4647	-3807	-3245	-3737	-3753	-3815	-3470	-3532	-3720	-4809
<i>Total Net Resources</i>	12900	11112	9705	10153	11359	11582	9941	10143	10123	9359	8180	9378	13818	12821
<i>Total Firm Surplus/Deficit</i>	2527	1176	464	269	344	-185	-1686	-1263	-570	-785	-1634	-165	3551	2458

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

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

For OY 2007 – 2016

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3349	-463	600	510	834	140	107	-1262	-140	-1037	-1836	-1288	3778	2524
1930 Federal Surplus/Deficit	1404	181	439	833	993	352	-1358	-247	-237	-438	-1170	-1335	2597	3093
1931 Federal Surplus/Deficit	2148	759	195	872	913	101	-1371	-1270	-449	-233	-2030	-1350	2535	2753
1932 Federal Surplus/Deficit	1929	1040	708	489	716	68	-1411	-1359	924	2842	3587	4709	4474	4077
1933 Federal Surplus/Deficit	1665	2045	1162	730	409	809	3121	2118	551	817	1623	3627	3914	3657
1934 Federal Surplus/Deficit	3502	2993	1472	1595	2228	5662	2923	3543	3558	3001	3669	4573	2151	3332
1935 Federal Surplus/Deficit	1131	30	216	517	366	102	2494	3572	-395	462	1769	2994	4086	4009
1936 Federal Surplus/Deficit	2994	328	625	580	796	276	-996	-1113	-261	-79	3143	4896	4311	2712
1937 Federal Surplus/Deficit	2126	629	448	722	903	348	-1379	-1012	-454	-776	-1650	-965	2552	1917
1938 Federal Surplus/Deficit	1801	292	389	795	425	326	2639	726	2442	2243	2975	4859	4632	3801
1939 Federal Surplus/Deficit	1076	365	1195	901	769	251	990	-1079	369	648	1574	3738	2136	3235
1940 Federal Surplus/Deficit	2536	768	419	1015	783	505	536	-161	2569	1180	2943	3267	2917	2510
1941 Federal Surplus/Deficit	1045	-321	387	961	573	567	801	-1103	-467	-393	-1548	1241	2770	2132
1942 Federal Surplus/Deficit	1033	589	1182	677	370	2145	2794	639	-1028	-21	1124	3165	4684	4533
1943 Federal Surplus/Deficit	3258	2059	524	727	403	223	2312	2749	3361	2979	3531	4771	4596	4331
1944 Federal Surplus/Deficit	3390	1410	549	534	670	262	679	-1167	-983	-1301	-2458	-1330	1214	1918
1945 Federal Surplus/Deficit	1072	102	579	601	814	141	-1328	-750	-642	-1134	-2155	2985	4654	2878
1946 Federal Surplus/Deficit	1237	608	377	507	626	256	1558	1122	3743	2793	3767	4950	4467	4356
1947 Federal Surplus/Deficit	3301	1411	1239	531	558	3704	3119	3413	3939	1558	2312	4696	4575	4432
1948 Federal Surplus/Deficit	2555	97	915	3307	1369	2640	3716	1137	2370	1272	3643	5025	5106	4356
1949 Federal Surplus/Deficit	3628	3401	1486	937	590	383	957	620	4096	2088	3779	4858	4494	1749
1950 Federal Surplus/Deficit	1079	-453	78	647	544	161	1462	3824	4496	3179	3404	4581	3818	4036
1951 Federal Surplus/Deficit	3173	2252	1209	1666	1776	4498	3405	3488	3485	3268	3674	4924	4507	4394
1952 Federal Surplus/Deficit	3645	2259	1152	2647	629	2482	2886	2098	2027	3537	3892	4956	4732	3736
1953 Federal Surplus/Deficit	2538	49	635	665	887	131	576	2550	324	-38	1515	4308	4458	4306
1954 Federal Surplus/Deficit	3267	1776	976	864	623	1437	1712	3516	2471	2394	2630	4804	4025	3857
1955 Federal Surplus/Deficit	4209	3946	3889	1096	912	1752	741	-860	-789	36	1058	2734	3905	3583
1956 Federal Surplus/Deficit	3675	3459	551	1277	1276	4278	3352	2520	4376	3400	3107	4865	3895	4290
1957 Federal Surplus/Deficit	3595	2096	1021	1121	543	982	1876	-9.6	1941	3029	3204	4997	4334	3685
1958 Federal Surplus/Deficit	1541	200	681	670	722	156	674	2137	2521	1289	3351	4941	4570	3558
1959 Federal Surplus/Deficit	1533	889	872	617	842	3086	3388	3727	2607	2432	2305	4337	4261	4205
1960 Federal Surplus/Deficit	3559	1846	4022	3908	2529	4004	3438	90	1898	2760	3809	3695	4460	3921
1961 Federal Surplus/Deficit	2695	-193	951	728	484	847	2058	2940	2790	2635	1928	4566	4092	3934
1962 Federal Surplus/Deficit	2228	1431	482	701	760	147	1712	336	-292	3093	3601	4264	4477	4224
1963 Federal Surplus/Deficit	2797	1326	630	1309	1047	3153	3031	1109	26	336	502	4210	4712	4165
1964 Federal Surplus/Deficit	3401	1552	1239	522	672	416	1335	364	-611	1438	2071	3613	4118	3909
1965 Federal Surplus/Deficit	3642	2974	1801	1908	728	4196	3358	4220	3992	2342	3842	4844	4636	3955
1966 Federal Surplus/Deficit	3547	2379	1194	1292	685	1370	2902	117	-466	3334	2195	3281	4089	4161
1967 Federal Surplus/Deficit	3594	971	555	629	656	442	3486	4230	1355	969	241	3809	4099	4252
1968 Federal Surplus/Deficit	3707	1522	1262	878	523	668	2291	2804	2228	-1186	-163	3105	4422	4560
1969 Federal Surplus/Deficit	3713	2649	2525	1946	1392	2590	3560	3657	1718	3387	3585	4918	4353	4346
1970 Federal Surplus/Deficit	2774	616	824	813	799	321	1759	1647	777	-252	958	4206	4616	3779
1971 Federal Surplus/Deficit	1322	-133	388	669	1033	194	3032	3641	3287	3003	3844	4920	4128	4185
1972 Federal Surplus/Deficit	4128	3569	1459	1035	623	1053	3385	4087	3665	2361	2923	4887	4419	3868
1973 Federal Surplus/Deficit	4230	3724	2103	1127	614	1428	2623	-877	-603	-1422	-1633	978	2555	2625
1974 Federal Surplus/Deficit	1582	-379	75	582	434	2701	3041	3547	4500	3132	3538	4725	4355	3533
1975 Federal Surplus/Deficit	3986	3629	1320	524	713	306	2349	1733	3088	661	1787	4322	4440	4061
1976 Federal Surplus/Deficit	2026	1508	1257	1875	1748	5280	3327	3649	2629	3537	3748	4969	4549	4075
1977 Federal Surplus/Deficit	4020	4023	4724	969	674	312	938	-1295	-1225	-1419	-2493	-1006	1204	1703
1978 Federal Surplus/Deficit	1355	651	172	408	363	327	1831	1653	2871	3013	1858	4011	4238	4577
-Ranked Averages-														
Top Ten Percent	3223	2246	2163	2261	1635	4114	3417	3021	2744	3059	3732	4670	4501	4138
Middle Eighty Percent	2605	1368	1003	916	721	1155	1917	1490	1662	1480	2034	3969	4048	3722
Bottom Ten Percent	2484	503	446	694	863	241	-664	-991	-453	-757	-1829	-1254	2535	2441

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3382	-428	359	-352	-30	-561	-186	-1577	-401	-1236	-1998	-597	4388	2547
1930 Federal Surplus/Deficit	1442	237	198	-13	129	-338	-1666	-559	-499	-635	-1331	-644	3213	3103
1931 Federal Surplus/Deficit	2184	815	-45	26	49	-601	-1678	-1585	-711	-429	-2193	-659	3148	2765
1932 Federal Surplus/Deficit	1965	1093	467	-357	-149	-634	-1719	-1685	668	2647	3429	5409	5082	4068
1933 Federal Surplus/Deficit	1705	2099	919	-116	-469	123	2827	1808	290	619	1462	4333	4534	3595
1934 Federal Surplus/Deficit	3534	3045	1230	751	1366	4965	2636	3235	3301	2812	3512	5272	2764	3340
1935 Federal Surplus/Deficit	1176	92	-16	-330	-513	-599	2201	3262	-658	264	1611	3704	4696	4002
1936 Federal Surplus/Deficit	3030	386	388	-266	-68	-415	-1292	-1428	-521	-277	2984	5595	4918	2733
1937 Federal Surplus/Deficit	2165	686	206	-125	39	-342	-1687	-1327	-716	-975	-1813	-246	3166	1952
1938 Federal Surplus/Deficit	1838	347	147	-51	-440	-363	2347	415	2186	2049	2816	5558	5238	3801
1939 Federal Surplus/Deficit	1095	422	955	55	-95	-439	697	-1393	111	452	1415	4445	2753	3244
1940 Federal Surplus/Deficit	2572	823	180	169	-81	-184	242	-473	2314	986	2783	3976	3533	2534
1941 Federal Surplus/Deficit	1064	-264	146	115	-292	-120	507	-1417	-728	-592	-1710	1954	3388	2164
1942 Federal Surplus/Deficit	1052	645	942	-168	-495	1466	2502	326	-1290	-217	965	3874	5289	4506
1943 Federal Surplus/Deficit	3292	2113	286	-119	-462	-466	2020	2441	3105	2790	3376	5470	5204	4261
1944 Federal Surplus/Deficit	3423	1468	308	-313	-194	-427	386	-1482	-1246	-1498	-2620	-639	1810	1951
1945 Federal Surplus/Deficit	1091	157	341	-245	-50	-561	-1635	-1063	-904	-1331	-2316	3698	5259	2897
1946 Federal Surplus/Deficit	1275	666	137	-355	-239	-433	1264	814	3486	2598	3608	5648	5073	4337
1947 Federal Surplus/Deficit	3334	1467	1001	-331	-306	3028	2828	3104	3680	1362	2154	5396	5181	4409
1948 Federal Surplus/Deficit	2593	157	675	2463	508	1961	3424	827	2113	1076	3484	5723	5708	4285
1949 Federal Surplus/Deficit	3662	3452	1248	91	-275	-305	664	310	3840	1893	3621	5558	5100	1666
1950 Federal Surplus/Deficit	1098	-418	-176	-199	-321	-541	1169	3514	4237	2986	3246	5282	4439	3969
1951 Federal Surplus/Deficit	3207	2307	970	823	916	3820	3115	3183	3229	3074	3515	5622	5113	4322
1952 Federal Surplus/Deficit	3678	2315	913	1804	-235	1804	2594	1790	1772	3344	3734	5655	5337	3737
1953 Federal Surplus/Deficit	2575	109	395	-181	23	-571	284	2243	64	-238	1354	5011	5069	4236
1954 Federal Surplus/Deficit	3301	1832	737	18	-242	754	1420	3207	2213	2201	2472	5503	4639	3792
1955 Federal Surplus/Deficit	4237	3989	3651	252	49	1069	447	-1174	-1053	-160	896	3443	4524	3523
1956 Federal Surplus/Deficit	3707	3506	312	432	414	3601	3063	2212	4117	3206	2955	5565	4515	4220
1957 Federal Surplus/Deficit	3629	2152	781	276	-322	298	1583	-321	1685	2838	3045	5694	4947	3686
1958 Federal Surplus/Deficit	1580	257	441	-175	-142	-546	382	1829	2264	1093	3193	5639	5178	3560
1959 Federal Surplus/Deficit	1572	945	633	-229	-21	2408	3099	3418	2350	2237	2145	5039	4874	4136
1960 Federal Surplus/Deficit	3591	1901	3786	3066	1668	3324	3145	-220	1643	2570	3648	4401	5067	3919
1961 Federal Surplus/Deficit	2733	-132	709	-117	-380	161	1765	2631	2534	2438	1770	5266	4706	3927
1962 Federal Surplus/Deficit	2265	1485	241	-145	-105	-545	1419	24	-553	2900	3444	4966	5083	4209
1963 Federal Surplus/Deficit	2832	1383	389	465	185	2475	2737	802	-232	140	342	4915	5317	4153
1964 Federal Surplus/Deficit	3435	1608	1001	-340	-193	-273	1042	53	-873	1245	1911	4320	4735	3845
1965 Federal Surplus/Deficit	3674	3024	1563	1064	-136	3521	3071	3913	3735	2148	3685	5542	5243	3955
1966 Federal Surplus/Deficit	3580	2434	953	447	-178	688	2610	-195	-727	3138	2034	3990	4697	4150
1967 Federal Surplus/Deficit	3626	1028	315	-217	-209	-246	3193	3920	1095	775	81	4513	4716	4183
1968 Federal Surplus/Deficit	3738	1580	1022	33	-341	-16	1999	2496	1972	-1384	-323	3813	5030	4487
1969 Federal Surplus/Deficit	3746	2702	2286	1102	531	1911	3270	3349	1466	3195	3427	5617	4962	4326
1970 Federal Surplus/Deficit	2819	682	592	-32	-65	-368	1469	1341	518	-451	798	4910	5223	3778
1971 Federal Surplus/Deficit	1361	-74	149	-176	170	-494	2743	3339	3033	2809	3684	5620	4745	4118
1972 Federal Surplus/Deficit	4156	3616	1219	189	-240	370	3094	3781	3414	2172	2762	5587	5032	3803
1973 Federal Surplus/Deficit	4257	3770	1863	281	-250	747	2332	-1191	-864	-1622	-1796	1691	3171	2646
1974 Federal Surplus/Deficit	1619	-323	-181	-264	-445	2024	2756	3243	4240	2940	3383	5416	4969	3476
1975 Federal Surplus/Deficit	4016	3676	1080	-338	-151	-382	2057	1425	2833	467	1627	5025	5051	3997
1976 Federal Surplus/Deficit	2064	1564	1018	1031	888	4596	3037	3341	2375	3344	3588	5667	5156	4009
1977 Federal Surplus/Deficit	4051	4065	4485	124	-191	-377	645	-1610	-1500	-1631	-2670	-289	1800	1619
1978 Federal Surplus/Deficit	1393	704	-69	-454	-515	-361	1539	1343	2617	2816	1699	4716	4846	4504
-Ranked Averages-														
Top Ten Percent	3256	2300	1925	1417	773	3434	3128	2713	2490	2866	3573	5370	5108	4106
Middle Eighty Percent	2638	1422	762	69	-144	468	1624	1180	1404	1285	1874	4673	4659	3690
Bottom Ten Percent	2519	556	205	-155	-1.6	-454	-966	-1306	-715	-955	-1991	-557	3145	2464

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3328	-537	312	-159	132	-561	-211	-1605	-418	-1183	-1955	-1346	3775	2762
1930 Federal Surplus/Deficit	1404	221	151	185	292	-333	-1695	-586	-516	-585	-1291	-1393	2646	3263
1931 Federal Surplus/Deficit	2142	795	-92	224	212	-600	-1708	-1612	-728	-379	-2148	-1408	2552	2864
1932 Federal Surplus/Deficit	1924	1070	420	-159	14	-633	-1748	-1715	650	2680	3400	4681	4354	4164
1933 Federal Surplus/Deficit	1671	2071	872	82	-311	128	2803	1783	272	664	1487	3630	3809	3564
1934 Federal Surplus/Deficit	3479	3002	1183	950	1530	4967	2613	3211	3285	2807	3483	4546	2140	3428
1935 Federal Surplus/Deficit	1144	81	-63	-132	-354	-599	2176	3236	-676	311	1635	3011	4058	4090
1936 Federal Surplus/Deficit	2985	377	341	-68	95	-410	-1318	-1455	-538	-229	2952	4862	4267	2919
1937 Federal Surplus/Deficit	2126	671	158	73	202	-338	-1716	-1354	-733	-922	-1770	-883	2605	2188
1938 Federal Surplus/Deficit	1802	335	100	147	-278	-359	2322	388	2170	2086	2831	4826	4509	3927
1939 Federal Surplus/Deficit	974	407	908	253	68	-435	672	-1420	94	497	1439	3739	2201	3392
1940 Federal Surplus/Deficit	2530	806	133	367	81	-179	216	-500	2298	1029	2799	3277	2951	2729
1941 Federal Surplus/Deficit	943	-274	99	313	-129	-115	482	-1445	-745	-542	-1668	1288	2819	2397
1942 Federal Surplus/Deficit	931	632	894	29	-333	1473	2478	299	-1308	-169	992	3177	4561	4561
1943 Federal Surplus/Deficit	3240	2084	239	79	-299	-462	1995	2414	3088	2784	3345	4739	4475	4225
1944 Federal Surplus/Deficit	3370	1448	260	-115	-31	-423	361	-1509	-1264	-1444	-2574	-1389	1276	2203
1945 Federal Surplus/Deficit	970	144	294	-47	112	-560	-1665	-1090	-921	-1278	-2272	3004	4531	3092
1946 Federal Surplus/Deficit	1242	652	89	-161	-76	-430	1238	788	3469	2631	3617	4901	4346	4407
1947 Federal Surplus/Deficit	3282	1446	953	-137	-144	3035	2803	3078	3663	1402	2175	4652	4514	4471
1948 Federal Surplus/Deficit	2553	146	628	2663	671	1968	3399	800	2096	1119	3494	4976	4995	4250
1949 Federal Surplus/Deficit	3602	3396	1201	289	-112	-300	639	283	3823	1930	3591	4810	4372	1816
1950 Federal Surplus/Deficit	977	-536	-227	-1.0	-158	-540	1144	3488	4219	3017	3258	4557	3714	3935
1951 Federal Surplus/Deficit	3160	2279	922	1021	1079	3826	3091	3158	3213	3068	3485	4875	4384	4287
1952 Federal Surplus/Deficit	3618	2285	866	2003	-72	1811	2569	1763	1756	3337	3703	4908	4608	3873
1953 Federal Surplus/Deficit	2534	100	348	16	186	-570	258	2217	47	-189	1379	4294	4342	4201
1954 Federal Surplus/Deficit	3249	1808	689	216	-79	760	1395	3181	2197	2237	2490	4772	3914	3759
1955 Federal Surplus/Deficit	4119	3910	3605	450	212	1076	421	-1201	-1070	-111	924	2754	3800	3493
1956 Federal Surplus/Deficit	3647	3448	264	630	577	3607	3039	2185	4100	3200	2926	4818	3791	4185
1957 Federal Surplus/Deficit	3570	2124	734	474	-159	304	1559	-348	1668	2871	3058	4946	4220	3815
1958 Federal Surplus/Deficit	1544	244	393	22	21	-545	357	1803	2248	1134	3205	4891	4450	3698
1959 Federal Surplus/Deficit	1536	928	585	-31	142	2415	3075	3392	2333	2274	2166	4320	4147	4102
1960 Federal Surplus/Deficit	3534	1875	3740	3265	1832	3332	3120	-246	1626	2567	3618	3696	4340	4017
1961 Federal Surplus/Deficit	2692	-142	662	81	-217	166	1740	2605	2518	2474	1795	4542	3981	4019
1962 Federal Surplus/Deficit	2222	1460	193	53	58	-541	1395	-3.6	-570	2932	3414	4249	4424	4291
1963 Federal Surplus/Deficit	2788	1363	342	663	348	2482	2712	775	-248	187	375	4199	4614	4242
1964 Federal Surplus/Deficit	3379	1585	954	-146	-30	-269	1018	27	-890	1285	1933	3616	4009	3813
1965 Federal Surplus/Deficit	3614	2979	1516	1262	27	3527	3047	3887	3718	2184	3654	4799	4514	4080
1966 Federal Surplus/Deficit	3523	2403	905	645	-15	694	2585	-222	-744	3169	2056	3293	4053	4224
1967 Federal Surplus/Deficit	3566	1007	268	-19	-46	-241	3168	3894	1079	820	115	3804	3990	4149
1968 Federal Surplus/Deficit	3676	1558	975	231	-179	-11	1974	2469	1956	-1331	-314	3118	4303	4452
1969 Federal Surplus/Deficit	3683	2665	2239	1301	694	1918	3246	3323	1449	3190	3398	4870	4235	4396
1970 Federal Surplus/Deficit	2772	664	545	166	98	-363	1443	1315	501	-402	829	4192	4495	3915
1971 Federal Surplus/Deficit	1326	-88	101	22	332	-491	2718	3314	3016	2841	3693	4872	4019	4084
1972 Federal Surplus/Deficit	4079	3553	1172	387	-78	376	3069	3755	3399	2168	2778	4839	4354	3771
1973 Federal Surplus/Deficit	4144	3702	1816	479	-87	753	2307	-1218	-881	-1567	-1753	1028	2607	2837
1974 Federal Surplus/Deficit	1581	-337	-232	-66	-286	2031	2733	3218	4223	2934	3353	4666	4278	3446
1975 Federal Surplus/Deficit	3946	3611	1033	-144	12	-378	2032	1398	2817	513	1652	4306	4323	3964
1976 Federal Surplus/Deficit	2029	1543	971	1229	1051	4601	3013	3315	2358	3338	3597	4919	4427	3976
1977 Federal Surplus/Deficit	3934	3950	4440	322	-28	-373	620	-1637	-1520	-1641	-2704	-962	1069	1580
1978 Federal Surplus/Deficit	1356	686	-117	-261	-356	-357	1513	1316	2602	2847	1724	4004	4204	4468
-Ranked Averages-														
Top Ten Percent	3163	2336	1666	1545	1104	4051	2977	2665	2840	2793	3568	4567	3961	3958
Middle Eighty Percent	2581	1383	742	275	-2.6	396	1615	1156	1341	1328	1882	3962	4018	3768
Bottom Ten Percent	2474	519	158	42	161	-451	-994	-1333	-732	-903	-1948	-1284	2570	2656

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3338	-368	208	-288	1.1	-700	-341	-1736	-543	-1308	-2080	-782	4396	2688
1930 Federal Surplus/Deficit	1501	358	47	68	162	-463	-1837	-716	-640	-710	-1416	-829	3273	3188
1931 Federal Surplus/Deficit	2178	906	-195	107	81	-739	-1849	-1743	-854	-503	-2273	-844	3179	2789
1932 Federal Surplus/Deficit	1874	1038	317	-276	-117	-773	-1890	-1854	527	2557	3279	5251	4977	4084
1933 Federal Surplus/Deficit	1761	2113	768	-35	-453	1.7	2673	1658	146	540	1364	4205	4437	3491
1934 Federal Surplus/Deficit	3468	2999	1080	834	1401	4831	2485	3085	3163	2686	3362	5117	2768	3352
1935 Federal Surplus/Deficit	1133	100	-166	-249	-496	-738	2047	3110	-802	186	1514	3587	4681	4011
1936 Federal Surplus/Deficit	2961	455	237	-186	-36	-539	-1450	-1586	-663	-353	2827	5431	4889	2845
1937 Federal Surplus/Deficit	2171	794	55	-44	71	-467	-1858	-1485	-858	-1047	-1894	-308	3230	2116
1938 Federal Surplus/Deficit	1804	368	-3.5	30	-409	-490	2193	259	2048	1962	2709	5395	5130	3848
1939 Federal Surplus/Deficit	1039	599	805	136	-64	-566	541	-1551	-31	372	1315	4314	2829	3316
1940 Federal Surplus/Deficit	2499	822	29	250	-50	-308	85	-630	2176	905	2676	3851	3579	2654
1941 Federal Surplus/Deficit	812	-205	-5.2	195	-261	-243	352	-1576	-870	-668	-1792	1864	3446	2323
1942 Federal Surplus/Deficit	958	804	791	-88	-465	1350	2348	168	-1435	-295	868	3751	5182	4479
1943 Federal Surplus/Deficit	3250	2148	136	-39	-432	-593	1865	2286	2965	2662	3223	5309	5097	4145
1944 Federal Surplus/Deficit	3381	1594	157	-233	-163	-554	231	-1640	-1390	-1569	-2699	-824	1904	2128
1945 Federal Surplus/Deficit	1012	293	190	-165	-19	-699	-1806	-1221	-1047	-1403	-2397	3578	5151	3017
1946 Federal Surplus/Deficit	1360	799	-15	-291	-208	-561	1107	661	3346	2508	3494	5469	4968	4326
1947 Federal Surplus/Deficit	3291	1581	850	-267	-276	2912	2673	2949	3540	1279	2054	5222	5135	4390
1948 Federal Surplus/Deficit	2608	367	524	2547	541	1845	3268	670	1973	997	3372	5543	5613	4171
1949 Federal Surplus/Deficit	3591	3388	1099	172	-244	-429	509	154	3698	1805	3469	5379	4994	1745
1950 Federal Surplus/Deficit	1022	-628	-342	-119	-290	-679	1014	3360	4094	2893	3136	5128	4343	3858
1951 Federal Surplus/Deficit	3185	2362	819	904	950	3702	2961	3032	3090	2944	3363	5443	5006	4208
1952 Federal Surplus/Deficit	3604	2370	764	1886	-203	1688	2440	1635	1635	3212	3580	5476	5228	3795
1953 Federal Surplus/Deficit	2593	325	244	-101	55	-709	126	2091	-78	-314	1256	4866	4965	4122
1954 Federal Surplus/Deficit	3264	1925	586	99	-211	635	1265	3054	2075	2114	2367	5341	4541	3684
1955 Federal Surplus/Deficit	3993	3843	3504	334	82	952	289	-1331	-1196	-236	797	3329	4429	3420
1956 Federal Surplus/Deficit	3629	3420	161	514	447	3483	2910	2057	3974	3076	2807	5387	4419	4107
1957 Federal Surplus/Deficit	3560	2223	630	356	-291	178	1429	-479	1544	2748	2936	5514	4845	3737
1958 Federal Surplus/Deficit	1658	451	290	-95	-111	-684	228	1675	2126	1010	3083	5459	5073	3620
1959 Federal Surplus/Deficit	1652	1104	482	-149	11	2292	2945	3265	2210	2151	2045	4891	4772	4024
1960 Federal Surplus/Deficit	3523	1987	3638	3148	1702	3209	2990	-375	1504	2447	3497	4271	4962	3939
1961 Federal Surplus/Deficit	2734	57	558	-36	-348	39	1611	2478	2396	2352	1675	5113	4608	3940
1962 Federal Surplus/Deficit	2222	1495	89	-64	-74	-672	1265	-134	-695	2810	3292	4821	5045	4210
1963 Federal Surplus/Deficit	2829	1494	239	546	217	2359	2581	646	-370	63	252	4771	5234	4162
1964 Federal Surplus/Deficit	3382	1712	851	-276	-162	-398	888	-102	-1016	1161	1811	4190	4635	3738
1965 Federal Surplus/Deficit	3603	3011	1413	1146	-104	3403	2918	3758	3594	2061	3532	5368	5135	4001
1966 Federal Surplus/Deficit	3521	2488	802	528	-147	569	2455	-351	-869	3045	1933	3869	4676	4145
1967 Federal Surplus/Deficit	3509	1065	164	-136	-178	-370	3038	3766	956	700	-5.1	4376	4616	4071
1968 Federal Surplus/Deficit	3655	1674	872	114	-310	-138	1845	2341	1834	-1456	-435	3692	4925	4371
1969 Federal Surplus/Deficit	3661	2724	2137	1185	564	1795	3116	3195	1328	3068	3277	5439	4858	4315
1970 Federal Surplus/Deficit	2817	832	441	48	-33	-493	1313	1188	377	-527	708	4763	5116	3835
1971 Federal Surplus/Deficit	1453	138	-3.6	-96	201	-622	2587	3187	2893	2717	3570	5441	4644	4006
1972 Federal Surplus/Deficit	4024	3530	1069	269	-210	250	2939	3627	3277	2049	2657	5408	4978	3696
1973 Federal Surplus/Deficit	4018	3661	1713	361	-219	628	2177	-1350	-1007	-1693	-1878	1604	3235	2763
1974 Federal Surplus/Deficit	1626	-218	-347	-185	-428	1908	2605	3093	4096	2812	3232	5231	4902	3374
1975 Federal Surplus/Deficit	3907	3583	931	-274	-120	-508	1902	1270	2695	391	1530	4878	4946	3887
1976 Federal Surplus/Deficit	2132	1697	867	1112	922	4472	2883	3188	2236	3214	3474	5487	5048	3899
1977 Federal Surplus/Deficit	3810	3824	4339	206	-159	-503	489	-1769	-1654	-1774	-2836	-382	1685	1492
1978 Federal Surplus/Deficit	1312	683	-220	-390	-499	-488	1382	1186	2481	2723	1604	4576	4826	4386
-Ranked Averages-														
Top Ten Percent	3182	2411	1564	1429	974	3923	2847	2538	2717	2670	3446	5137	4584	3880
Middle Eighty Percent	2585	1461	638	156	-135	267	1484	1027	1217	1204	1759	4533	4641	3690
Bottom Ten Percent	2514	657	54	-78	30	-585	-1131	-1464	-857	-1027	-2072	-717	3196	2582

Table A-30: Federal Surplus/Deficit - 50 Water Year
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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3339	-360	224	-343	-28	-762	-398	-1793	-592	-1358	-2129	-1526	3636	2618
1930 Federal Surplus/Deficit	1503	365	63	20	133	-519	-1899	-773	-689	-760	-1466	-1573	2517	3118
1931 Federal Surplus/Deficit	2180	913	-179	59	52	-801	-1912	-1800	-903	-554	-2322	-1588	2424	2719
1932 Federal Surplus/Deficit	1876	1045	334	-324	-146	-834	-1953	-1916	477	2507	3232	4510	4218	4012
1933 Federal Surplus/Deficit	1765	2119	784	-84	-489	-53	2617	1605	97	490	1316	3467	3681	3424
1934 Federal Surplus/Deficit	3468	3004	1096	787	1372	4771	2431	3032	3116	2639	3315	4376	2013	3283
1935 Federal Surplus/Deficit	1136	107	-150	-298	-532	-800	1991	3056	-852	136	1466	2850	3922	3940
1936 Federal Surplus/Deficit	2963	462	253	-234	-66	-595	-1508	-1643	-712	-404	2776	4690	4129	2776
1937 Federal Surplus/Deficit	2174	801	70	-92	42	-523	-1921	-1541	-907	-1098	-1943	-1044	2472	2048
1938 Federal Surplus/Deficit	1807	375	12	-17	-439	-546	2138	203	2000	1912	2660	4654	4369	3777
1939 Federal Surplus/Deficit	1042	605	821	88	-93	-623	484	-1608	-80	321	1265	3576	2075	3245
1940 Federal Surplus/Deficit	2502	829	45	202	-79	-364	28	-686	2129	855	2627	3113	2824	2585
1941 Federal Surplus/Deficit	816	-197	10	147	-291	-299	295	-1634	-919	-720	-1841	1128	2690	2253
1942 Federal Surplus/Deficit	961	811	806	-137	-496	1298	2293	111	-1485	-346	818	3012	4421	4406
1943 Federal Surplus/Deficit	3250	2154	151	-87	-462	-650	1808	2229	2916	2614	3175	4568	4336	4073
1944 Federal Surplus/Deficit	3380	1600	172	-281	-193	-611	174	-1698	-1439	-1620	-2748	-1569	1149	2058
1945 Federal Surplus/Deficit	1015	299	206	-213	-48	-761	-1869	-1279	-1096	-1454	-2446	2839	4390	2947
1946 Federal Surplus/Deficit	1363	806	0.3	-346	-238	-618	1049	605	3297	2458	3446	4728	4209	4253
1947 Federal Surplus/Deficit	3291	1587	866	-321	-306	2859	2617	2893	3492	1228	2007	4481	4374	4317
1948 Federal Surplus/Deficit	2611	375	540	2500	513	1792	3211	613	1925	947	3324	4802	4851	4099
1949 Federal Surplus/Deficit	3590	3390	1116	124	-274	-485	453	98	3649	1753	3422	4638	4234	1676
1950 Federal Surplus/Deficit	1025	-621	-332	-167	-321	-741	958	3305	4045	2842	3088	4387	3587	3787
1951 Federal Surplus/Deficit	3184	2368	835	856	921	3649	2906	2979	3042	2894	3316	4702	4245	4136
1952 Federal Surplus/Deficit	3603	2376	780	1839	-233	1635	2384	1580	1588	3161	3531	4735	4467	3723
1953 Federal Surplus/Deficit	2596	332	260	-150	26	-771	68	2036	-127	-365	1207	4126	4207	4051
1954 Federal Surplus/Deficit	3264	1930	602	51	-240	582	1209	2998	2028	2064	2318	4600	3784	3616
1955 Federal Surplus/Deficit	3991	3843	3522	287	54	900	232	-1388	-1245	-287	747	2592	3674	3355
1956 Federal Surplus/Deficit	3628	3423	177	466	418	3430	2855	2001	3925	3026	2761	4646	3664	4036
1957 Federal Surplus/Deficit	3560	2229	646	308	-321	124	1373	-536	1495	2699	2887	4772	4087	3665
1958 Federal Surplus/Deficit	1661	457	305	-143	-140	-746	172	1619	2079	959	3034	4717	4313	3549
1959 Federal Surplus/Deficit	1655	1111	497	-197	-18	2239	2890	3210	2162	2102	1997	4152	4014	3954
1960 Federal Surplus/Deficit	3522	1993	3655	3101	1674	3157	2933	-431	1456	2400	3449	3533	4202	3868
1961 Federal Surplus/Deficit	2737	65	574	-84	-378	-16	1555	2422	2349	2303	1629	4372	3852	3869
1962 Federal Surplus/Deficit	2224	1502	105	-112	-103	-729	1209	-191	-744	2761	3244	4081	4284	4138
1963 Federal Surplus/Deficit	2831	1501	254	498	188	2307	2524	589	-418	13	204	4032	4472	4090
1964 Federal Surplus/Deficit	3383	1719	867	-330	-191	-454	833	-158	-1065	1109	1762	3451	3879	3670
1965 Federal Surplus/Deficit	3602	3014	1430	1099	-133	3350	2863	3702	3545	2010	3483	4626	4374	3928
1966 Federal Surplus/Deficit	3520	2493	817	480	-176	516	2399	-407	-918	2995	1885	3133	3917	4073
1967 Federal Surplus/Deficit	3509	1073	180	-185	-208	-426	2982	3711	909	651	-52	3637	3859	4001
1968 Federal Surplus/Deficit	3654	1682	889	66	-340	-193	1788	2285	1787	-1507	-481	2954	4166	4299
1969 Federal Surplus/Deficit	3660	2729	2154	1137	535	1743	3060	3140	1281	3019	3229	4698	4100	4243
1970 Federal Surplus/Deficit	2819	839	457	-0.3	-62	-549	1257	1132	328	-577	662	4023	4355	3763
1971 Federal Surplus/Deficit	1456	145	12	-145	171	-680	2531	3133	2845	2666	3521	4699	3887	3935
1972 Federal Surplus/Deficit	4021	3532	1084	221	-240	196	2883	3573	3231	2002	2608	4667	4219	3628
1973 Federal Surplus/Deficit	4016	3662	1729	313	-249	574	2121	-1407	-1056	-1744	-1926	867	2479	2694
1974 Federal Surplus/Deficit	1629	-211	-337	-233	-464	1856	2551	3040	4047	2763	3185	4487	4144	3308
1975 Federal Surplus/Deficit	3905	3585	948	-329	-149	-565	1845	1215	2648	341	1482	4138	4186	3818
1976 Federal Surplus/Deficit	2133	1701	883	1063	893	4416	2828	3133	2187	3165	3426	4746	4287	3830
1977 Federal Surplus/Deficit	3810	3825	4357	158	-189	-559	433	-1826	-1708	-1829	-2891	-1114	920	1414
1978 Federal Surplus/Deficit	1316	689	-204	-445	-535	-546	1325	1128	2434	2672	1557	3838	4066	4313
-Ranked Averages-														
Top Ten Percent	3182	2416	1580	1381	945	3869	2792	2483	2669	2622	3398	4397	3824	3809
Middle Eighty Percent	2586	1467	653	108	-165	211	1427	971	1168	1153	1711	3794	3883	3619
Bottom Ten Percent	2515	664	70	-128	1.1	-643	-1191	-1521	-906	-1078	-2122	-1460	2440	2512

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2011 - 2012 Operating Year
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Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3298	-399	746	281	580	-105	243	-1178	53	-751	-1521	-482	4842	3133
1930 Federal Surplus/Deficit	1464	325	585	650	741	142	-1263	-158	-44	-153	-858	-530	3725	3632
1931 Federal Surplus/Deficit	2141	873	344	688	660	-144	-1276	-1185	-257	53	-1714	-544	3633	3233
1932 Federal Surplus/Deficit	1838	1005	856	306	462	-177	-1316	-1304	1122	3115	3842	5556	5424	4525
1933 Federal Surplus/Deficit	1728	2078	1306	546	114	610	3259	2222	742	1097	1925	4516	4890	3941
1934 Federal Surplus/Deficit	3427	2962	1619	1417	1981	5430	3074	3650	3762	3248	3925	5423	3222	3798
1935 Federal Surplus/Deficit	1098	67	372	332	71	-143	2633	3672	-207	744	2075	3899	5128	4453
1936 Federal Surplus/Deficit	2923	423	776	396	543	66	-868	-1028	-66	203	3383	5736	5335	3290
1937 Federal Surplus/Deficit	2136	761	593	538	650	139	-1284	-926	-261	-490	-1335	5.4	3680	2563
1938 Federal Surplus/Deficit	1768	335	535	612	168	114	2780	819	2647	2519	3269	5700	5573	4290
1939 Federal Surplus/Deficit	1004	563	1343	717	515	38	1126	-993	566	928	1873	4625	3285	3759
1940 Federal Surplus/Deficit	2463	789	567	832	529	297	669	-71	2775	1462	3236	4161	4033	3099
1941 Federal Surplus/Deficit	778	-236	533	776	316	363	936	-1020	-274	-113	-1232	2178	3898	2766
1942 Federal Surplus/Deficit	922	770	1328	492	111	1962	2935	725	-840	260	1426	4060	5626	4918
1943 Federal Surplus/Deficit	3210	2113	674	543	145	11	2448	2844	3562	3223	3784	5614	5542	4585
1944 Federal Surplus/Deficit	3339	1560	694	348	415	49	816	-1083	-794	-1013	-2140	-525	2359	2571
1945 Federal Surplus/Deficit	977	259	728	416	560	-104	-1233	-664	-451	-847	-1838	3887	5595	3461
1946 Federal Surplus/Deficit	1324	766	522	279	370	42	1690	1221	3943	3065	4055	5773	5415	4765
1947 Federal Surplus/Deficit	3251	1547	1388	303	302	3522	3258	3509	4138	1835	2617	5527	5579	4829
1948 Federal Surplus/Deficit	2572	335	1062	3131	1121	2456	3852	1228	2571	1555	3933	5847	6055	4612
1949 Federal Surplus/Deficit	3549	3347	1638	753	333	176	1094	713	4295	2360	4031	5684	5439	2191
1950 Federal Surplus/Deficit	987	-661	185	463	287	-84	1599	3921	4690	3450	3697	5434	4796	4301
1951 Federal Surplus/Deficit	3144	2327	1357	1486	1529	4313	3548	3596	3688	3501	3925	5747	5450	4649
1952 Federal Surplus/Deficit	3562	2335	1302	2469	375	2299	3025	2195	2235	3768	4139	5780	5672	4236
1953 Federal Surplus/Deficit	2557	292	782	480	634	-111	708	2652	518	242	1816	5174	5413	4564
1954 Federal Surplus/Deficit	3224	1889	1124	681	368	1245	1850	3614	2674	2672	2926	5646	4993	4131
1955 Federal Surplus/Deficit	3949	3798	4046	917	662	1564	873	-773	-599	320	1355	3640	4883	3871
1956 Federal Surplus/Deficit	3587	3379	700	1096	1026	4094	3497	2617	4570	3634	3371	5692	4873	4549
1957 Federal Surplus/Deficit	3518	2188	1168	938	286	786	2014	79	2140	3307	3495	5817	5294	4178
1958 Federal Surplus/Deficit	1622	417	827	486	468	-89	813	2235	2725	1566	3643	5763	5519	4062
1959 Federal Surplus/Deficit	1616	1070	1019	432	590	2903	3532	3826	2808	2710	2606	5199	5221	4468
1960 Federal Surplus/Deficit	3481	1953	4179	3732	2282	3821	3575	185	2102	3010	4058	4582	5408	4381
1961 Federal Surplus/Deficit	2698	25	1096	545	230	647	2197	3038	2996	2912	2239	5419	5060	4381
1962 Federal Surplus/Deficit	2185	1461	627	517	505	-68	1851	423	-99	3370	3854	5128	5489	4651
1963 Federal Surplus/Deficit	2791	1461	777	1127	797	2971	3165	1204	229	620	814	5079	5676	4602
1964 Federal Surplus/Deficit	3343	1678	1390	294	416	207	1474	458	-420	1716	2371	4499	5086	4185
1965 Federal Surplus/Deficit	3561	2971	1952	1729	475	4013	3505	4317	4191	2618	4092	5672	5579	4441
1966 Federal Surplus/Deficit	3479	2452	1339	1110	432	1179	3040	208	-273	3602	2494	4182	5123	4586
1967 Federal Surplus/Deficit	3469	1034	702	445	400	236	3624	4327	1555	1261	559	4684	5067	4515
1968 Federal Surplus/Deficit	3613	1642	1411	695	268	469	2430	2901	2434	-900	129	4003	5371	4812
1969 Federal Surplus/Deficit	3619	2687	2677	1767	1144	2407	3702	3756	1927	3629	3839	5744	5306	4755
1970 Federal Surplus/Deficit	2780	800	980	629	546	112	1898	1748	973	30	1272	5070	5561	4275
1971 Federal Surplus/Deficit	1417	105	533	485	779	-20	3172	3750	3491	3274	4130	5745	5095	4449
1972 Federal Surplus/Deficit	3979	3489	1607	850	367	858	3524	4189	3878	2612	3217	5713	5426	4143
1973 Federal Surplus/Deficit	3973	3618	2252	942	359	1237	2763	-792	-411	-1136	-1318	1916	3688	3208
1974 Federal Surplus/Deficit	1591	-250	181	396	139	2519	3194	3658	4692	3371	3795	5530	5351	3825
1975 Federal Surplus/Deficit	3862	3541	1471	296	459	96	2487	1831	3295	948	2091	5185	5392	4333
1976 Federal Surplus/Deficit	2094	1660	1405	1693	1502	5077	3470	3749	2833	3773	4034	5791	5492	4345
1977 Federal Surplus/Deficit	3769	3780	4882	787	419	102	1074	-1212	-1066	-1226	-2287	-62	2123	1927
1978 Federal Surplus/Deficit	1279	649	318	180	70	114	1966	1742	3081	3279	2167	4885	5271	4825
-Ranked Averages-														
Top Ten Percent	3141	2374	2103	2011	1554	4531	3434	3099	3315	3230	4007	5443	5030	4323
Middle Eighty Percent	2547	1426	1176	737	442	873	2068	1587	1814	1761	2320	4841	5089	4133
Bottom Ten Percent	2476	624	592	501	609	16	-553	-906	-261	-471	-1514	-415	3648	3026

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3835	154	789	238	546	-157	177	-1241	-5.6	-808	-1579	-1247	4088	3094
1930 Federal Surplus/Deficit	2008	873	627	622	708	102	-1344	-219	-103	-210	-916	-1294	2977	3590
1931 Federal Surplus/Deficit	2683	1421	387	660	627	-196	-1357	-1248	-317	-1.4	-1772	-1308	2883	3193
1932 Federal Surplus/Deficit	2380	1551	899	278	428	-229	-1397	-1378	1066	3061	3789	4798	4672	4478
1933 Federal Surplus/Deficit	2272	2622	1349	518	66	574	3192	2166	683	1043	1870	3764	4142	3899
1934 Federal Surplus/Deficit	3962	3500	1663	1392	1950	5381	3008	3593	3707	3196	3873	4665	2474	3756
1935 Federal Surplus/Deficit	1642	615	416	304	23	-195	2566	3615	-267	688	2022	3149	4377	4406
1936 Federal Surplus/Deficit	3461	973	819	368	509	27	-937	-1091	-125	147	3327	4976	4582	3251
1937 Federal Surplus/Deficit	2678	1309	635	510	617	99	-1365	-989	-320	-546	-1393	-746	2931	2527
1938 Federal Surplus/Deficit	2311	883	577	585	134	74	2714	759	2593	2466	3216	4941	4819	4244
1939 Federal Surplus/Deficit	1549	1111	1386	689	481	-2.8	1058	-1056	508	872	1816	3872	2538	3716
1940 Federal Surplus/Deficit	3003	1337	611	804	495	258	601	-132	2721	1408	3180	3408	3285	3060
1941 Federal Surplus/Deficit	1324	314	576	748	282	326	869	-1082	-332	-171	-1290	1427	3152	2728
1942 Federal Surplus/Deficit	1467	1318	1371	464	76	1931	2869	664	-901	204	1371	3308	4872	4868
1943 Federal Surplus/Deficit	3747	2656	717	514	111	-29	2382	2786	3506	3169	3731	4855	4788	4537
1944 Federal Surplus/Deficit	3875	2106	738	320	381	8.8	749	-1146	-855	-1069	-2198	-1289	1613	2533
1945 Federal Surplus/Deficit	1522	806	771	387	526	-156	-1314	-726	-511	-903	-1896	3135	4841	3420
1946 Federal Surplus/Deficit	1868	1315	565	235	336	0.7	1622	1164	3886	3011	4001	5014	4662	4717
1947 Federal Surplus/Deficit	3787	2093	1431	260	267	3492	3192	3450	4081	1781	2565	4768	4825	4779
1948 Federal Surplus/Deficit	3112	886	1105	3104	1090	2425	3785	1168	2516	1503	3879	5087	5297	4565
1949 Federal Surplus/Deficit	4083	3882	1684	726	299	137	1027	654	4237	2306	3978	4925	4687	2157
1950 Federal Surplus/Deficit	1532	-111	214	434	253	-136	1533	3863	4630	3396	3644	4677	4050	4256
1951 Federal Surplus/Deficit	3680	2869	1401	1460	1499	4279	3482	3539	3632	3447	3872	4988	4696	4601
1952 Federal Surplus/Deficit	4096	2877	1347	2443	341	2268	2959	2138	2181	3713	4085	5021	4917	4191
1953 Federal Surplus/Deficit	3097	843	825	452	601	-153	640	2596	460	185	1761	4418	4661	4517
1954 Federal Surplus/Deficit	3760	2434	1168	653	334	1211	1784	3557	2620	2619	2874	4887	4244	4088
1955 Federal Surplus/Deficit	4480	4328	4090	891	630	1531	804	-835	-659	264	1295	2889	4136	3830
1956 Federal Surplus/Deficit	4121	3915	744	1070	995	4061	3431	2559	4511	3580	3320	4933	4126	4503
1957 Federal Surplus/Deficit	4053	2731	1212	910	252	752	1948	18	2084	3254	3442	5057	4543	4133
1958 Federal Surplus/Deficit	2165	965	870	458	434	-141	747	2177	2671	1511	3589	5003	4766	4017
1959 Federal Surplus/Deficit	2160	1618	1062	404	557	2872	3466	3769	2753	2658	2554	4444	4471	4422
1960 Federal Surplus/Deficit	4016	2497	4223	3704	2252	3790	3508	126	2047	2958	4004	3830	4656	4335
1961 Federal Surplus/Deficit	3238	576	1139	518	196	610	2130	2981	2941	2859	2189	4662	4311	4335
1962 Federal Surplus/Deficit	2727	2008	670	489	470	-110	1784	362	-158	3316	3800	4373	4736	4603
1963 Federal Surplus/Deficit	3330	2007	820	1100	764	2940	3098	1145	174	565	757	4324	4921	4554
1964 Federal Surplus/Deficit	3879	2223	1433	251	382	168	1408	398	-479	1663	2318	3748	4338	4142
1965 Federal Surplus/Deficit	4095	3509	1997	1703	441	3981	3439	4258	4133	2565	4038	4912	4825	4394
1966 Federal Surplus/Deficit	4015	2993	1382	1082	398	1145	2974	148	-332	3548	2438	3432	4371	4539
1967 Federal Surplus/Deficit	4004	1582	745	417	366	197	3557	4268	1499	1211	507	3931	4318	4469
1968 Federal Surplus/Deficit	4147	2188	1455	668	234	433	2364	2843	2380	-957	75	3251	4619	4763
1969 Federal Surplus/Deficit	4153	3227	2722	1741	1112	2376	3635	3698	1874	3575	3786	4984	4555	4706
1970 Federal Surplus/Deficit	3320	1348	1022	601	513	73	1832	1691	916	-26	1219	4314	4807	4229
1971 Federal Surplus/Deficit	1961	655	576	457	745	-61	3105	3693	3436	3220	4076	4986	4346	4403
1972 Federal Surplus/Deficit	4509	4023	1650	821	333	823	3457	4131	3823	2561	3164	4953	4674	4100
1973 Federal Surplus/Deficit	4504	4151	2295	914	324	1203	2696	-855	-470	-1194	-1375	1165	2941	3169
1974 Federal Surplus/Deficit	2135	298	209	367	91	2489	3128	3602	4632	3318	3742	4766	4600	3784
1975 Federal Surplus/Deficit	4394	4074	1516	252	425	56	2420	1773	3241	897	2038	4430	4640	4288
1976 Federal Surplus/Deficit	2635	2205	1449	1665	1471	5037	3403	3692	2778	3718	3980	5031	4738	4300
1977 Federal Surplus/Deficit	4302	4311	4925	760	385	61	1007	-1275	-1137	-1293	-2353	-810	1362	1891
1978 Federal Surplus/Deficit	1823	1194	361	136	35	74	1899	1682	3028	3225	2117	4132	4519	4776
-Ranked Averages-														
Top Ten Percent	3678	2916	2147	1985	1522	4494	3368	3042	3259	3177	3953	4685	4278	4277
Middle Eighty Percent	3086	1971	1218	707	407	834	2001	1527	1757	1706	2266	4085	4338	4088
Bottom Ten Percent	3016	1172	635	470	576	-29	-628	-969	-320	-527	-1571	-1177	2898	2987

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2013 - 2014 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3789	125	746	152	463	-262	87	-1333	-87	-882	-1654	-616	4764	3070
1930 Federal Surplus/Deficit	1970	840	585	551	626	8.6	-1449	-309	-184	-284	-991	-663	3656	3564
1931 Federal Surplus/Deficit	2643	1387	345	590	545	-302	-1462	-1341	-399	-74	-1846	-678	3562	3168
1932 Federal Surplus/Deficit	2341	1515	857	208	346	-335	-1502	-1481	988	2989	3719	5435	5348	4446
1933 Federal Surplus/Deficit	2235	2584	1307	447	-30	485	3102	2082	601	972	1798	4408	4824	3873
1934 Federal Surplus/Deficit	3916	3458	1623	1324	1871	5278	2919	3508	3629	3125	3803	5302	3155	3729
1935 Federal Surplus/Deficit	1605	582	374	233	-73	-300	2477	3529	-351	615	1951	3793	5055	4375
1936 Federal Surplus/Deficit	3418	943	778	298	427	-66	-1030	-1183	-205	73	3254	5611	5258	3227
1937 Federal Surplus/Deficit	2638	1275	593	439	535	6.1	-1470	-1080	-402	-621	-1468	-102	3610	2506
1938 Federal Surplus/Deficit	2273	849	535	515	51	-19	2625	671	2516	2396	3145	5576	5494	4214
1939 Federal Surplus/Deficit	1512	1078	1344	619	398	-97	968	-1147	428	799	1741	4514	3220	3689
1940 Federal Surplus/Deficit	2962	1304	569	734	413	166	509	-222	2644	1336	3107	4050	3967	3037
1941 Federal Surplus/Deficit	1289	284	533	678	199	235	778	-1174	-414	-246	-1365	2071	3833	2706
1942 Federal Surplus/Deficit	1431	1284	1329	394	-6.8	1847	2779	573	-984	131	1298	3950	5546	4833
1943 Federal Surplus/Deficit	3702	2618	676	444	27	-122	2293	2699	3428	3098	3660	5491	5464	4505
1944 Federal Surplus/Deficit	3829	2070	696	250	299	-85	659	-1238	-938	-1144	-2272	-659	2295	2511
1945 Federal Surplus/Deficit	1486	771	729	317	444	-261	-1419	-818	-593	-977	-1971	3778	5515	3395
1946 Federal Surplus/Deficit	1831	1283	522	150	253	-94	1531	1077	3807	2940	3930	5648	5339	4683
1947 Federal Surplus/Deficit	3743	2058	1390	174	184	3408	3102	3363	4002	1710	2496	5405	5500	4745
1948 Federal Surplus/Deficit	3071	856	1063	3034	1010	2340	3694	1079	2437	1433	3809	5721	5968	4533
1949 Federal Surplus/Deficit	4036	3836	1644	656	216	45	937	566	4156	2235	3907	5560	5362	2138
1950 Federal Surplus/Deficit	1496	-142	169	364	170	-234	1443	3776	4547	3324	3574	5314	4732	4227
1951 Federal Surplus/Deficit	3636	2830	1360	1391	1419	4193	3392	3454	3554	3375	3802	5623	5372	4569
1952 Federal Surplus/Deficit	4049	2838	1307	2374	259	2185	2869	2051	2105	3640	4013	5656	5591	4161
1953 Federal Surplus/Deficit	3056	813	783	381	518	-247	549	2511	379	112	1688	5058	5338	4485
1954 Federal Surplus/Deficit	3716	2396	1126	583	251	1125	1695	3470	2542	2549	2804	5523	4924	4060
1955 Federal Surplus/Deficit	4430	4277	4049	822	550	1445	712	-927	-742	191	1219	3533	4817	3805
1956 Federal Surplus/Deficit	4074	3868	703	1001	915	3976	3341	2472	4428	3508	3251	5569	4807	4471
1957 Federal Surplus/Deficit	4007	2693	1170	841	169	665	1858	-72	2005	3182	3372	5691	5220	4104
1958 Federal Surplus/Deficit	2127	932	828	388	351	-247	658	2091	2594	1440	3519	5638	5441	3988
1959 Federal Surplus/Deficit	2122	1584	1020	334	476	2789	3376	3682	2675	2587	2484	5083	5149	4392
1960 Federal Surplus/Deficit	3970	2460	4182	3634	2173	3706	3418	38	1969	2888	3933	4473	5332	4305
1961 Federal Surplus/Deficit	3196	546	1097	447	114	519	2041	2894	2865	2789	2121	5300	4990	4304
1962 Federal Surplus/Deficit	2687	1973	627	418	388	-205	1695	271	-240	3244	3730	5013	5410	4570
1963 Federal Surplus/Deficit	3287	1972	778	1030	683	2857	3007	1058	95	492	684	4964	5594	4522
1964 Federal Surplus/Deficit	3834	2187	1391	165	299	75	1319	310	-561	1592	2247	4390	5017	4114
1965 Federal Surplus/Deficit	4048	3466	1956	1634	359	3895	3349	4169	4053	2494	3966	5548	5499	4363
1966 Federal Surplus/Deficit	3968	2953	1340	1012	316	1059	2884	58	-413	3475	2364	4076	5047	4507
1967 Federal Surplus/Deficit	3958	1550	702	346	284	105	3467	4180	1421	1143	438	4572	4998	4438
1968 Federal Surplus/Deficit	4100	2153	1414	598	152	344	2275	2756	2303	-1032	3	3893	5295	4730
1969 Federal Surplus/Deficit	4106	3186	2682	1672	1032	2292	3545	3611	1798	3503	3716	5620	5232	4673
1970 Federal Surplus/Deficit	3278	1315	980	530	430	-20	1742	1605	835	-100	1148	4953	5481	4198
1971 Federal Surplus/Deficit	1924	623	533	386	663	-155	3015	3607	3358	3148	4005	5621	5026	4372
1972 Federal Surplus/Deficit	4459	3975	1608	750	250	735	3366	4043	3745	2492	3095	5589	5350	4073
1973 Federal Surplus/Deficit	4454	4102	2253	844	241	1117	2607	-946	-552	-1270	-1450	1808	3623	3145
1974 Federal Surplus/Deficit	2097	266	152	296	-5.2	2406	3038	3516	4548	3246	3672	5396	5277	3759
1975 Federal Surplus/Deficit	4345	4026	1476	167	342	-36	2331	1686	3164	827	1969	5069	5317	4259
1976 Federal Surplus/Deficit	2595	2168	1407	1596	1391	4944	3313	3605	2701	3646	3909	5666	5413	4271
1977 Federal Surplus/Deficit	4254	4260	4884	690	303	-32	917	-1367	-1231	-1377	-2437	-163	2030	1869
1978 Federal Surplus/Deficit	1786	1158	318	50	-48	-19	1809	1592	2952	3153	2049	4772	5196	4742
-Ranked Averages-														
Top Ten Percent	3633	2876	2106	1916	1443	4403	3278	2955	3181	3106	3883	5322	4954	4247
Middle Eighty Percent	3044	1934	1176	635	324	743	1910	1439	1677	1634	2194	4724	5015	4059
Bottom Ten Percent	2974	1139	593	396	493	-127	-727	-1060	-402	-601	-1646	-544	3578	2964

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2014 - 2015 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3723	72	664	46	360	-364	-6.4	-1427	-168	-961	-1733	-1382	4007	3024
1930 Federal Surplus/Deficit	1910	784	502	458	522	-84	-1553	-400	-266	-362	-1071	-1429	2902	3516
1931 Federal Surplus/Deficit	2580	1330	263	497	441	-404	-1566	-1435	-482	-150	-1926	-1444	2807	3121
1932 Federal Surplus/Deficit	2280	1457	775	115	242	-437	-1607	-1583	909	2914	3644	4673	4592	4393
1933 Federal Surplus/Deficit	2173	2524	1225	354	-145	396	3009	1994	520	896	1721	3651	4071	3824
1934 Federal Surplus/Deficit	3849	3393	1542	1233	1770	5178	2826	3419	3550	3049	3727	4541	2401	3680
1935 Federal Surplus/Deficit	1546	525	293	140	-188	-403	2384	3440	-434	537	1876	3037	4299	4323
1936 Federal Surplus/Deficit	3353	888	696	205	323	-159	-1125	-1277	-286	-4.8	3177	4849	4501	3180
1937 Federal Surplus/Deficit	2576	1219	512	346	431	-86	-1575	-1173	-483	-699	-1547	-858	2856	2463
1938 Federal Surplus/Deficit	2211	793	453	422	-53	-112	2533	580	2438	2321	3070	4814	4736	4162
1939 Federal Surplus/Deficit	1453	1021	1263	526	295	-190	874	-1241	347	722	1663	3757	2467	3641
1940 Federal Surplus/Deficit	2899	1248	487	641	309	74	415	-314	2566	1261	3030	3293	3214	2991
1941 Federal Surplus/Deficit	1230	229	451	585	96	144	685	-1268	-495	-325	-1444	1314	3081	2661
1942 Federal Surplus/Deficit	1372	1226	1247	301	-111	1762	2686	481	-1067	54	1221	3193	4788	4778
1943 Federal Surplus/Deficit	3636	2557	595	351	-77	-214	2201	2609	3350	3022	3585	4728	4706	4452
1944 Federal Surplus/Deficit	3762	2012	615	157	195	-178	565	-1332	-1021	-1222	-2351	-1425	1543	2466
1945 Federal Surplus/Deficit	1427	714	647	223	340	-364	-1523	-911	-675	-1055	-2050	3021	4757	3348
1946 Federal Surplus/Deficit	1771	1227	440	58	150	-187	1437	988	3728	2864	3854	4886	4582	4629
1947 Federal Surplus/Deficit	3676	1999	1308	68	80	3323	3009	3273	3922	1635	2422	4643	4742	4690
1948 Federal Surplus/Deficit	3007	802	982	2942	909	2255	3601	988	2359	1358	3733	4958	5207	4480
1949 Federal Surplus/Deficit	3968	3769	1565	564	112	-46	845	476	4075	2159	3831	4798	4606	2096
1950 Federal Surplus/Deficit	1437	-196	87	271	66	-328	1350	3686	4464	3247	3499	4554	3979	4176
1951 Federal Surplus/Deficit	3570	2768	1280	1299	1319	4106	3299	3365	3475	3298	3726	4860	4615	4516
1952 Federal Surplus/Deficit	3981	2776	1227	2282	155	2100	2776	1962	2028	3563	3937	4893	4833	4110
1953 Federal Surplus/Deficit	2992	759	701	288	415	-340	456	2423	299	34	1612	4298	4582	4433
1954 Federal Surplus/Deficit	3649	2337	1045	491	148	1037	1602	3381	2464	2474	2730	4761	4171	4010
1955 Federal Surplus/Deficit	4360	4206	3967	731	448	1359	618	-1020	-825	113	1139	2778	4064	3756
1956 Federal Surplus/Deficit	4005	3801	622	909	814	3889	3248	2383	4346	3431	3177	4806	4054	4419
1957 Federal Surplus/Deficit	3939	2631	1089	749	65	577	1766	-164	1926	3106	3297	4928	4464	4053
1958 Federal Surplus/Deficit	2066	875	746	295	247	-349	566	2002	2515	1364	3444	4875	4684	3938
1959 Federal Surplus/Deficit	2061	1527	938	241	373	2705	3283	3592	2597	2512	2410	4323	4393	4339
1960 Federal Surplus/Deficit	3902	2400	4100	3540	2072	3621	3325	-53	1891	2813	3858	3716	4576	4253
1961 Federal Surplus/Deficit	3132	492	1016	355	10	429	1948	2805	2787	2713	2048	4539	4236	4253
1962 Federal Surplus/Deficit	2624	1915	545	325	284	-299	1602	179	-321	3168	3655	4253	4653	4517
1963 Federal Surplus/Deficit	3223	1914	696	938	581	2772	2914	968	17	415	606	4205	4836	4469
1964 Federal Surplus/Deficit	3766	2129	1310	59	195	-17	1226	219	-643	1518	2171	3634	4263	4063
1965 Federal Surplus/Deficit	3980	3401	1875	1543	256	3809	3256	4079	3973	2419	3891	4785	4741	4311
1966 Federal Surplus/Deficit	3900	2891	1259	920	213	971	2791	-34	-494	3399	2287	3321	4290	4454
1967 Federal Surplus/Deficit	3890	1493	620	253	180	14	3374	4089	1341	1070	362	3815	4243	4386
1968 Federal Surplus/Deficit	4031	2094	1332	506	49	255	2183	2667	2225	-1110	-74	3137	4539	4676
1969 Federal Surplus/Deficit	4038	3122	2602	1581	930	2207	3452	3522	1722	3427	3640	4857	4476	4619
1970 Federal Surplus/Deficit	3213	1258	898	437	327	-112	1650	1517	755	-178	1072	4194	4724	4147
1971 Federal Surplus/Deficit	1864	569	451	293	559	-248	2922	3518	3280	3072	3929	4858	4271	4320
1972 Federal Surplus/Deficit	4388	3907	1526	657	146	647	3273	3953	3666	2417	3021	4826	4594	4022
1973 Federal Surplus/Deficit	4383	4033	2172	751	138	1030	2514	-1040	-634	-1350	-1529	1052	2869	3099
1974 Federal Surplus/Deficit	2036	210	59	203	-120	2322	2945	3427	4465	3170	3597	4630	4521	3710
1975 Federal Surplus/Deficit	4275	3958	1395	61	238	-129	2238	1597	3086	754	1894	4309	4560	4207
1976 Federal Surplus/Deficit	2533	2109	1326	1503	1290	4852	3220	3516	2623	3569	3833	4903	4656	4219
1977 Federal Surplus/Deficit	4184	4189	4802	598	199	-124	823	-1461	-1323	-1464	-2522	-918	1267	1826
1978 Federal Surplus/Deficit	1726	1100	236	-55	-152	-110	1716	1501	2874	3077	1976	4014	4440	4687
-Ranked Averages-														
Top Ten Percent	3567	2814	2025	1824	1341	4313	3185	2865	3102	3030	3807	4561	4198	4196
Middle Eighty Percent	2979	1874	1094	541	220	653	1817	1348	1597	1557	2118	3964	4259	4008
Bottom Ten Percent	2910	1083	511	301	390	-223	-827	-1153	-484	-679	-1725	-1308	2823	2918

Table A-30: Federal Surplus/Deficit - 50 Water Year
PNW Loads and Resource Study
2015 - 2016 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Capacity 120 (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3670	33	616	-43	273	-473	-106	-1516	-254	-1048	-1820	-698	4699	3017
1930 Federal Surplus/Deficit	1863	742	454	381	435	-183	-1665	-488	-352	-448	-1158	-745	3596	3505
1931 Federal Surplus/Deficit	2532	1286	215	420	354	-513	-1678	-1525	-569	-234	-2012	-760	3500	3112
1932 Federal Surplus/Deficit	2232	1412	727	38	155	-540	-1718	-1681	826	2830	3561	5362	5285	4379
1933 Federal Surplus/Deficit	2126	2477	1178	278	-243	300	2909	1909	433	813	1637	4345	4767	3812
1934 Federal Surplus/Deficit	3795	3342	1496	1158	1686	5072	2727	3333	3466	2965	3644	5230	3096	3668
1935 Federal Surplus/Deficit	1500	483	246	62	-286	-511	2285	3355	-521	452	1792	3731	4993	4308
1936 Federal Surplus/Deficit	3302	848	649	128	236	-257	-1227	-1367	-372	-90	3092	5536	5193	3172
1937 Federal Surplus/Deficit	2527	1176	464	269	344	-185	-1686	-1263	-570	-785	-1634	-165	3551	2458
1938 Federal Surplus/Deficit	2164	750	406	345	-141	-210	2433	493	2356	2238	2987	5502	5428	4149
1939 Federal Surplus/Deficit	1408	979	1216	450	208	-289	774	-1330	262	638	1576	4449	3163	3630
1940 Federal Surplus/Deficit	2850	1205	440	564	222	-24	314	-402	2483	1177	2945	3986	3910	2984
1941 Federal Surplus/Deficit	1186	189	404	508	8.5	47	585	-1357	-581	-412	-1531	2008	3778	2654
1942 Federal Surplus/Deficit	1327	1183	1200	225	-198	1670	2587	393	-1154	-31	1136	3886	5479	4761
1943 Federal Surplus/Deficit	3584	2510	549	274	-165	-312	2101	2524	3266	2939	3502	5416	5399	4437
1944 Federal Surplus/Deficit	3710	1967	568	80	108	-277	465	-1421	-1108	-1308	-2438	-741	2240	2460
1945 Federal Surplus/Deficit	1382	671	599	146	253	-472	-1635	-999	-762	-1140	-2137	3715	5449	3338
1946 Federal Surplus/Deficit	1725	1186	392	-19	62	-286	1337	903	3643	2781	3770	5573	5275	4613
1947 Federal Surplus/Deficit	3624	1955	1262	-21	-7.6	3232	2909	3187	3836	1552	2340	5331	5434	4674
1948 Federal Surplus/Deficit	2958	762	935	2865	824	2163	3501	901	2275	1276	3650	5645	5896	4464
1949 Federal Surplus/Deficit	3914	3716	1519	488	24	-144	745	390	3989	2077	3748	5486	5299	2092
1950 Federal Surplus/Deficit	1392	-237	39	194	-22	-428	1250	3600	4376	3163	3416	5243	4676	4162
1951 Federal Surplus/Deficit	3518	2721	1233	1224	1234	4012	3199	3280	3392	3214	3643	5547	5307	4500
1952 Federal Surplus/Deficit	3927	2729	1181	2207	68	2009	2676	1877	1946	3478	3853	5580	5524	4097
1953 Federal Surplus/Deficit	2942	719	654	211	328	-440	356	2339	213	-51	1528	4989	5275	4418
1954 Federal Surplus/Deficit	3597	2291	998	414	60	944	1503	3295	2380	2391	2648	5449	4866	3997
1955 Federal Surplus/Deficit	4303	4149	3920	656	363	1265	516	-1109	-913	28	1051	3472	4760	3744
1956 Federal Surplus/Deficit	3951	3747	575	833	729	3797	3148	2298	4258	3347	3094	5494	4750	4404
1957 Federal Surplus/Deficit	3885	2584	1042	673	-22	483	1666	-252	1843	3022	3215	5615	5158	4040
1958 Federal Surplus/Deficit	2020	833	699	219	160	-458	467	1917	2432	1281	3361	5562	5376	3926
1959 Federal Surplus/Deficit	2014	1484	891	164	287	2614	3183	3507	2513	2429	2328	5013	5087	4325
1960 Federal Surplus/Deficit	3849	2354	4053	3463	1988	3529	3224	-139	1807	2729	3774	4410	5269	4239
1961 Federal Surplus/Deficit	3082	452	968	278	-77	333	1848	2720	2704	2630	1967	5228	4931	4238
1962 Federal Surplus/Deficit	2575	1870	497	248	196	-399	1502	91	-408	3084	3571	4944	5345	4501
1963 Federal Surplus/Deficit	3172	1870	649	862	495	2681	2813	883	-67	330	520	4896	5527	4454
1964 Federal Surplus/Deficit	3714	2084	1263	-30	108	-115	1127	132	-729	1435	2088	4328	4958	4050
1965 Federal Surplus/Deficit	3926	3350	1829	1467	169	3717	3156	3992	3887	2337	3807	5472	5433	4296
1966 Federal Surplus/Deficit	3847	2843	1212	843	126	878	2691	-122	-581	3314	2201	4015	4983	4439
1967 Federal Surplus/Deficit	3837	1451	573	176	93	-84	3274	4002	1257	989	279	4507	4938	4371
1968 Federal Surplus/Deficit	3977	2049	1285	430	-38	160	2084	2582	2143	-1196	-159	3830	5232	4659
1969 Federal Surplus/Deficit	3984	3073	2556	1506	845	2115	3352	3437	1640	3342	3557	5545	5170	4603
1970 Federal Surplus/Deficit	3163	1215	850	361	240	-210	1551	1433	669	-263	988	4885	5416	4134
1971 Federal Surplus/Deficit	1817	528	403	216	472	-347	2822	3433	3196	2988	3846	5545	4966	4306
1972 Federal Surplus/Deficit	4331	3853	1479	580	59	552	3173	3866	3582	2334	2939	5514	5286	4010
1973 Federal Surplus/Deficit	4326	3977	2125	675	50	937	2415	-1129	-721	-1437	-1616	1745	3565	3091
1974 Federal Surplus/Deficit	1989	168	0.2	126	-218	2232	2845	3342	4377	3086	3514	5314	5214	3699
1975 Federal Surplus/Deficit	4219	3903	1349	-28	151	-227	2139	1511	3003	672	1811	5000	5254	4194
1976 Federal Surplus/Deficit	2485	2064	1279	1427	1205	4753	3120	3431	2541	3484	3750	5590	5349	4206
1977 Federal Surplus/Deficit	4129	4132	4755	521	112	-223	723	-1551	-1420	-1558	-2615	-223	1954	1820
1978 Federal Surplus/Deficit	1680	1055	189	-145	-240	-208	1616	1414	2792	2993	1895	4706	5133	4671
-Ranked Averages-														
Top Ten Percent	3515	2766	1978	1748	1256	4216	3085	2779	3018	2946	3724	5250	4891	4182
Middle Eighty Percent	2929	1829	1047	463	132	556	1716	1261	1512	1473	2034	4654	4952	3995
Bottom Ten Percent	2860	1041	464	221	303	-326	-934	-1243	-571	-764	-1812	-622	3517	2910

