2010 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

May 2010

2010 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

The White Book

TECHNICAL APPENDIX

VOLUME 2

CAPACITY ANALYSIS

BONNEVILLE POWER ADMINISTRATION
May 2010

Cover Picture:

Source: BPA Photo archive

Pictured is the overview of Lower Monumental Lock and Dam. Lower Monumental is a hydroelectric dam on the Snake River that bridges Franklin County and Walla Walla County, in the state of Washington. It is owned and operated by the U.S. Corps of Engineers.

Construction of the project began in June 1961. The main structure and three generators were completed in 1969, with an additional three generators finished in 1981. The nameplate generating capability is 932 megawatts. The dam spans 3,791 ft (1,155 m) and is 100 ft (30 m) high.

It is used for navigation, flood control, and power production. Locks permit ships to pass around the dam; fish ladders allow salmon to spawn upriver.

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
Operational Planning Group

NW Requirements Marketing: Western Customer Services Group
Eastern Customer Services Group

Bulk Marketing and Transmission Services: Long Term Sales and Purchasing Group

Customer Support Services: Load Forecasting and Analysis Group

Office of General Counsel

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

Reports Powered by:

LARIS

Loads and Resources Information System

2010 Pacific Northwest Loads and Resources
For Operating Years 2010 Through 2019
Technical Appendix, Volume 2
Capacity Analysis

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Section 9
Monthly Federal System
Loads & Resources

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

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	165	165	155	166	191	207	214	200	179	172	172	157	157	164
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	340	340	340	340	340	340	320	320	320	320	320	320	0	0
4 Fed. Agencies 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total Firm Non-Utility Obligations	1135	1135	1083	974	805	797	574	590	936	954	954	1049	748	788
Transfers Out														
6 NGP 2002 PSC	3822	3822	3889	4161	4617	5147	5192	4980	4489	4308	4308	3870	3762	3944
7 GPU 2002 PSC	2295	2295	2540	2700	3223	3549	3468	3431	3125	2731	2731	2238	2250	2473
8 NGP 2002 Slice PSC	955	792	726	782	940	999	1019	903	875	687	571	969	801	969
9 GPU 2002 Slice PSC	1591	1319	1209	1302	1566	1664	1698	1504	1457	1144	950	1614	1334	1613
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GPU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 NGP 2012 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GPU 2012 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1557	1557	1549	1503	1456	1462	1462	1461	1455	1480	1480	1546	1528	1536
17 Regional Transfers (Out)	1393	1393	1207	842	1046	1144	1146	1074	993	994	994	967	718	739
18 Federal Diversity	-499	-537	-589	-386	-344	-591	-339	-349	-416	-535	-551	-533	-534	-442
19 Total Transfers Out	11112	10640	10532	10904	12503	13374	13646	13005	11978	10809	10482	10671	9859	10832
20 Total Firm Obligations	12247	11775	11615	11878	13309	14170	14220	13595	12914	11763	11436	11720	10607	11620
Hydro Resources														
21 Regulated Hydro	20306	20297	20459	20566	20798	20631	20368	19914	19316	18560	18507	18832	19892	20506
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3204	-5749	-6706	-6225	-4694	-4454	-4569	-5120	-4623	-6109	-6808	-2197	-5489	-3664
24 Non-Fed CER (Canada)	247	247	247	247	247	247	247	247	247	249	249	249	249	249
25 Total Hydro Resources	17980	15437	14577	15224	16955	16837	16400	15445	15500	13310	12677	17739	15572	17781
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	229	229	231	336	362	460	462	397	398	429	429	261	184	206
31 Regional Transfers (In)	912	912	332	30	331	308	308	308	307	306	306	7.4	8.6	8.4
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	0	1130
34 Non-Utility Generation	34	34	17	34	42	34	34	34	34	34	34	50	33	29
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	2318	2318	1725	1548	1885	1955	1957	1891	1891	1920	790	338	240	1392
38 Total Resources	20298	17755	16302	16772	18840	18791	18358	17336	17391	15230	13467	18076	15812	19172
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-564	-564	-566	-571	-576	-567	-559	-549	-538	-520	-482	-494	-521	-571
40 Contingency Reserves (Spinning)	-394	-343	-321	-338	-382	-401	-401	-366	-367	-309	-261	-389	-336	-401
41 Generation Imbalance Reserves	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
42 Load Following Reserves	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-497	-430	-382	-395	-464	-489	-490	-442	-443	-368	-320	-472	-401	-471
45 Total Reserves, Maintenance & Losses	-5963	-5342	-5283	-5389	-5461	-4679	-4214	-4595	-4618	-4614	-4224	-4467	-4250	-5583

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	14335	12413	11019	11383	13378	14112	14144	12741	12773	10616	9243	13610	11563	13590
47 Total Firm Surplus/Deficit	2088	638	-596	-495	70	-58	-76	-854	-141	-1146	-2193	1889	956	1969

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	167	167	157	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	0	0	0	169	194	210	217	193	182	174	174	159	159	166
5 Total Firm Non-Utility Obligations	797	797	745	637	468	460	257	263	618	636	636	731	751	791
Transfers Out														
6 NGP 2002 PSC	3866	3866	3952	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	2477	2477	2551	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	961	762	674	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	1600	1269	1123	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	0	0	0	4534	5027	5607	5559	5266	4825	4636	4636	4449	4434	4662
12 GPU 2012 PSC	0	0	0	1624	1868	2027	1873	1761	1652	1525	1525	1394	1354	1368
13 NGP 2012 Slice PSC	0	0	0	419	554	575	587	550	548	423	572	670	536	469
14 GPU 2012 Slice PSC	0	0	0	1711	2259	2347	2394	2245	2235	1725	2335	2732	2187	1913
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1531	1531	1524	1430	1384	1385	1383	1384	1383	1412	1412	1475	1476	1477
17 Regional Transfers (Out)	724	724	132	267	464	562	564	499	418	419	419	162	143	164
18 Federal Diversity	-521	-561	-597	-336	-296	-509	-292	-297	-364	-466	-481	-484	-483	-396
19 Total Transfers Out	10638	10069	9359	9650	11260	11994	12069	11409	10698	9673	10419	10398	9646	9658
20 Total Firm Obligations	11435	10866	10104	10287	11728	12454	12326	11672	11317	10309	11055	11129	10397	10449
Hydro Resources														
21 Regulated Hydro	20306	20297	20459	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-2948	-5937	-7164	-7773	-5382	-5389	-5521	-5319	-4642	-6308	-3661	-2112	-5953	-6451
24 Non-Fed CER (Canada)	249	249	249	249	249	249	249	249	249	245	245	245	245	245
25 Total Hydro Resources	18237	15252	14121	13615	16162	15751	15301	15116	15387	13049	15781	17775	15079	14933
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	9.3	9.3	30	45	345	322	322	322	322	322	322	22	22	22
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	34	34	17	34	42	34	21	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1392	1392	1400	1540	1883	1952	1943	1861	1862	1892	1892	1414	1354	1379
38 Total Resources	19629	16644	15521	15154	18045	17703	17244	16976	17248	14941	17673	19189	16434	16312
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-564	-564	-566	-569	-573	-563	-555	-545	-535	-518	-520	-531	-560	-569
40 Contingency Reserves (Spinning)	-400	-338	-309	-299	-364	-375	-375	-358	-364	-303	-377	-428	-363	-330
41 Generation Imbalance Reserves	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
42 Load Following Reserves	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-468	-387	-350	-349	-445	-462	-462	-437	-445	-366	-463	-514	-427	-385
45 Total Reserves, Maintenance & Losses	-6126	-5480	-5426	-5077	-5196	-4374	-3908	-4360	-4396	-4385	-4303	-4366	-4121	-5205

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	13503	11164	10095	10077	12849	13329	13336	12616	12852	10556	13370	14823	12312	11107
47 Total Firm Surplus/Deficit	2068	297	-8.6	-210	1121	875	1010	944	1535	247	2315	3694	1916	658

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	169	169	160	172	197	213	218	204	182	175	175	160	159	167
5 Total Firm Non-Utility Obligations	799	799	747	640	471	463	258	274	619	637	637	732	751	791
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4532	4532	4321	4567	5057	5634	5640	5423	4903	4712	4712	4526	4512	4742
12 GPU 2012 PSC	1371	1371	1364	1483	1710	1858	1890	1896	1665	1535	1535	1402	1361	1375
13 NGP 2012 Slice PSC	580	430	408	410	565	560	577	536	500	423	349	605	465	552
14 GPU 2012 Slice PSC	2368	1754	1665	1675	2305	2286	2353	2187	2041	1728	1423	2467	1898	2253
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1485	1485	1483	1437	1391	1392	1390	1391	1390	1419	1419	1482	1483	1484
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	143	164
18 Federal Diversity	-468	-503	-534	-338	-298	-513	-295	-303	-367	-471	-485	-489	-488	-400
19 Total Transfers Out	9999	9200	8839	9501	11195	11779	12119	11629	10551	9766	9372	10156	9373	10172
20 Total Firm Obligations	10798	9999	9587	10141	11666	12242	12377	11903	11170	10403	10008	10888	10124	10963
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3420	-6928	-7522	-7786	-4981	-5449	-5495	-5420	-5390	-6093	-7923	-2130	-6090	-4591
24 Non-Fed CER (Canada)	245	245	245	245	245	245	245	245	245	239	239	239	239	239
25 Total Hydro Resources	17693	14189	13692	13597	16558	15687	15322	15010	14635	13258	11513	17752	14937	16786
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	22	22	45	56	356	333	333	333	333	333	333	33	33	33
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1374	1374	1400	1521	1856	1934	1938	1872	1873	1903	1903	295	235	1390
38 Total Resources	19067	15563	15092	15119	18415	17621	17260	16882	16508	15161	13415	18046	15172	18177
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-492	-520	-569
40 Contingency Reserves (Spinning)	-387	-312	-300	-298	-373	-372	-375	-356	-346	-308	-271	-389	-321	-377
41 Generation Imbalance Reserves	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
42 Load Following Reserves	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-457	-359	-343	-344	-453	-453	-456	-429	-415	-367	-318	-472	-381	-440
45 Total Reserves, Maintenance & Losses	-5885	-5210	-5193	-5193	-5335	-4557	-4097	-4515	-4528	-4572	-4232	-4427	-4175	-5487

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	13181	10353	9899	9926	13080	13064	13163	12366	11979	10588	9184	13619	10996	12689
47 Total Firm Surplus/Deficit	2383	354	313	-215	1414	822	786	463	809	186	-825	2731	872	1726

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	170	170	160	172	198	213	242	227	200	191	191	174	175	186
5 Total Firm Non-Utility Obligations	799	799	748	641	472	463	282	298	637	653	653	746	766	810
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4611	4611	4396	4642	5134	5717	5705	5466	4963	4770	4770	4582	4567	4798
12 GPU 2012 PSC	1379	1379	1371	1493	1724	1875	1830	1836	1609	1482	1482	1351	1310	1324
13 NGP 2012 Slice PSC	569	418	407	424	548	561	573	530	508	421	351	647	519	441
14 GPU 2012 Slice PSC	2321	1706	1660	1729	2237	2290	2338	2162	2071	1719	1434	2638	2116	1798
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1500	1500	1498	1452	1406	1407	1405	1406	1406	1434	1434	1497	1498	1499
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-472	-508	-539	-342	-301	-518	-299	-306	-371	-476	-491	-495	-494	-404
19 Total Transfers Out	10037	9236	8926	9665	11213	11895	12116	11592	10602	9769	9399	10382	9624	9586
20 Total Firm Obligations	10837	10035	9673	10305	11685	12358	12398	11889	11240	10422	10052	11128	10390	10396
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3449	-6964	-7392	-7337	-5129	-5248	-5367	-5257	-4970	-5867	-7600	-2103	-5866	-6582
24 Non-Fed CER (Canada)	239	239	239	239	239	239	239	239	239	238	238	238	238	238
25 Total Hydro Resources	17658	14147	13815	14040	16405	15882	15445	15168	15049	13484	11835	17778	15159	14795
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	33	33	56	23	273	250	250	250	250	250	250	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1385	1385	1411	1488	1773	1851	1855	1789	1790	1820	1820	1392	1332	1357
38 Total Resources	19043	15532	15227	15529	18178	17733	17300	16956	16838	15303	13654	19170	16491	16152
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-531	-560	-569
40 Contingency Reserves (Spinning)	-387	-311	-303	-309	-369	-377	-378	-360	-356	-314	-279	-428	-365	-327
41 Generation Imbalance Reserves	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-450	-352	-343	-352	-440	-451	-452	-422	-418	-363	-318	-499	-414	-365
45 Total Reserves, Maintenance & Losses	-6052	-5376	-5324	-5371	-5477	-4713	-4269	-4774	-4788	-4821	-4486	-4779	-4538	-5610

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12991	10156	9903	10158	12700	13020	13030	12182	12051	10483	9168	14391	11953	10542
47 Total Firm Surplus/Deficit	2154	121	229	-148	1015	662	632	293	811	61	-884	3262	1563	146

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	186	186	176	190	220	237	248	233	205	195	195	178	178	190
5 Total Firm Non-Utility Obligations	816	816	763	658	494	486	287	303	641	657	657	750	770	814
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4665	4665	4448	4694	5185	5770	5778	5557	5027	4836	4836	4650	4634	4867
12 GPU 2012 PSC	1328	1328	1320	1439	1666	1815	1847	1853	1622	1492	1492	1359	1317	1332
13 NGP 2012 Slice PSC	561	411	395	408	539	565	575	527	502	421	351	603	458	479
14 GPU 2012 Slice PSC	2288	1677	1610	1666	2201	2304	2346	2150	2050	1719	1430	2462	1868	1953
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1514	1514	1512	1466	1420	1421	1419	1420	1420	1448	1448	1496	1496	1498
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-478	-513	-545	-345	-304	-523	-301	-310	-374	-480	-495	-499	-498	-408
19 Total Transfers Out	10008	9211	8872	9596	11171	11913	12226	11695	10665	9856	9481	10233	9383	9851
20 Total Firm Obligations	10824	10027	9636	10254	11665	12400	12514	11998	11306	10513	10138	10982	10153	10665
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3416	-6911	-7372	-7423	-5090	-5052	-5225	-5298	-5058	-5849	-7602	-1886	-6005	-5826
24 Non-Fed CER (Canada)	238	238	238	238	238	238	238	238	238	237	237	237	237	237
25 Total Hydro Resources	17690	14199	13834	13953	16443	16077	15585	15126	14960	13500	11831	17993	15020	15550
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1352	1352	1355	1465	1500	1601	1605	1539	1540	1570	1570	262	202	1357
38 Total Resources	19042	15551	15190	15418	17943	17678	17190	16664	16500	15070	13401	18255	15222	16907
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-492	-520	-569
40 Contingency Reserves (Spinning)	-387	-313	-303	-307	-370	-382	-382	-359	-354	-314	-279	-396	-323	-346
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-444	-347	-335	-343	-426	-446	-445	-413	-406	-355	-309	-471	-375	-390
45 Total Reserves, Maintenance & Losses	-6221	-5546	-5536	-5534	-5639	-4821	-4353	-4763	-4774	-4813	-4477	-4678	-4417	-5653

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12821	10005	9654	9884	12304	12857	12837	11901	11725	10256	8924	13577	10805	11254
47 Total Firm Surplus/Deficit	1997	-23	18	-369	639	457	323	-97	420	-257	-1214	2594	652	589

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	190	190	179	194	225	242	248	221	205	196	196	178	179	190
5 Total Firm Non-Utility Obligations	820	820	767	663	499	492	288	292	642	658	658	750	771	815
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4733	4733	4513	4758	5251	5840	5825	5525	5075	4881	4881	4693	4677	4912
12 GPU 2012 PSC	1335	1335	1328	1473	1704	1855	1810	1698	1589	1462	1462	1331	1290	1304
13 NGP 2012 Slice PSC	563	414	398	405	534	565	575	529	503	420	352	653	522	447
14 GPU 2012 Slice PSC	2299	1688	1625	1653	2179	2305	2347	2157	2051	1715	1434	2664	2128	1824
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1498	1498	1496	1466	1420	1421	1419	1420	1420	1448	1448	1434	1435	1425
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-482	-518	-549	-350	-308	-529	-305	-310	-378	-485	-500	-504	-503	-412
19 Total Transfers Out	10078	9281	8944	9672	11244	12019	12235	11517	10677	9859	9495	10432	9656	9631
20 Total Firm Obligations	10898	10100	9711	10335	11743	12511	12524	11809	11319	10517	10153	11183	10426	10445
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3379	-6875	-7312	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
24 Non-Fed CER (Canada)	237	237	237	237	237	237	237	237	237	235	235	235	235	235
25 Total Hydro Resources	17725	14234	13894	13887	16336	16080	15591	15159	14967	13500	11874	17857	15164	14865
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1352	1352	1355	1465	1500	1601	1605	1539	1540	1548	1548	1373	1318	1339
38 Total Resources	19077	15586	15249	15352	17836	17681	17196	16697	16506	15047	13422	19229	16482	16204
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-517	-520	-531	-559	-568
40 Contingency Reserves (Spinning)	-388	-314	-305	-305	-368	-382	-382	-359	-354	-314	-279	-430	-365	-328
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-446	-348	-337	-340	-423	-446	-445	-414	-407	-355	-310	-501	-414	-367
45 Total Reserves, Maintenance & Losses	-6223	-5548	-5539	-5530	-5632	-4821	-4353	-4765	-4775	-4812	-4478	-4782	-4538	-5612

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12854	10038	9710	9822	12204	12860	12842	11932	11731	10236	8944	14448	11945	10592
47 Total Firm Surplus/Deficit	1957	-62	-1.4	-512	461	349	319	124	412	-281	-1209	3265	1518	146

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	190	190	180	195	226	242	335	316	269	254	254	229	233	259
5 Total Firm Non-Utility Obligations	820	820	768	663	500	492	374	386	706	716	716	801	825	884
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4777	4777	4556	4802	5294	5888	5888	5667	5133	4937	4937	4750	4733	4971
12 GPU 2012 PSC	1308	1308	1300	1443	1670	1818	1850	1856	1625	1495	1495	1362	1321	1335
13 NGP 2012 Slice PSC	567	420	395	401	535	563	577	531	511	421	355	604	459	479
14 GPU 2012 Slice PSC	2314	1713	1612	1635	2184	2297	2356	2168	2085	1718	1449	2465	1871	1953
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1425	1425	1425	1395	1395	1395	1395	1395	1395	1425	1425	1425	1425	1425
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-487	-523	-555	-353	-311	-535	-312	-321	-386	-495	-511	-514	-513	-421
19 Total Transfers Out	10035	9249	8866	9590	11231	11988	12319	11796	10781	9920	9570	10254	9403	9871
20 Total Firm Obligations	10855	10069	9634	10253	11731	12480	12693	12182	11487	10636	10286	11056	10228	10754
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3365	-6814	-7434	-7628	-5178	-5091	-5173	-5208	-4885	-5857	-7508	-1922	-6045	-5881
24 Non-Fed CER (Canada)	235	235	235	235	235	235	235	235	235	234	234	234	234	234
25 Total Hydro Resources	17738	14293	13769	13746	16352	16035	15634	15213	15130	13489	11923	17955	14977	15491
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1339	1339	1341	1447	1480	1579	1581	1516	1517	1548	1548	243	188	1339
38 Total Resources	19077	15633	15110	15193	17833	17613	17215	16728	16647	15037	13470	18198	15165	16830
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-561	-561	-564	-568	-572	-562	-554	-544	-534	-517	-520	-491	-520	-568
40 Contingency Reserves (Spinning)	-388	-315	-302	-301	-368	-381	-382	-360	-358	-313	-281	-394	-322	-344
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-446	-349	-332	-335	-423	-444	-446	-415	-411	-354	-312	-469	-373	-388
45 Total Reserves, Maintenance & Losses	-6223	-5551	-5531	-5520	-5632	-4817	-4354	-4767	-4782	-4811	-4481	-4675	-4414	-5649

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12854	10082	9579	9672	12201	12796	12861	11962	11864	10226	8990	13523	10751	11182
47 Total Firm Surplus/Deficit	1999	13	-55	-581	470	316	168	-221	377	-409	-1296	2468	522	428

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	249	249	235	257	304	326	335	316	269	254	254	229	233	259
5 Total Firm Non-Utility Obligations	879	879	823	725	578	576	375	386	706	716	716	801	825	883
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4833	4833	4610	4855	5351	5949	5932	5690	5175	4978	4978	4790	4773	5011
12 GPU 2012 PSC	1339	1339	1331	1476	1708	1859	1813	1820	1592	1465	1465	1334	1294	1308
13 NGP 2012 Slice PSC	567	422	397	410	541	572	582	535	507	426	357	656	524	450
14 GPU 2012 Slice PSC	2312	1724	1618	1674	2207	2333	2374	2184	2070	1738	1458	2675	2140	1834
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1425	1425	1425	1395	1395	1395	1395	1395	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	382	480	482	417	377	378	378	162	108	130
18 Federal Diversity	-497	-534	-566	-361	-318	-547	-315	-323	-390	-500	-515	-519	-518	-425
19 Total Transfers Out	10109	9339	8946	9716	11266	12041	12264	11719	10682	9835	9471	10448	9670	9658
20 Total Firm Obligations	10988	10218	9769	10441	11843	12617	12639	12105	11388	10552	10187	11250	10496	10541
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3374	-6759	-7407	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
24 Non-Fed CER (Canada)	234	234	234	234	234	234	234	234	234	231	231	231	231	231
25 Total Hydro Resources	17727	14347	13796	13884	16333	16077	15588	15156	14964	13496	11870	17853	15160	14861
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1339	1339	1341	1497	1530	1628	1630	1566	1521	1522	1522	1347	1293	1314
38 Total Resources	19067	15686	15137	15381	17864	17705	17219	16721	16485	15018	13393	19200	16453	16175
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-561	-561	-564	-569	-573	-563	-555	-546	-535	-519	-521	-532	-561	-569
40 Contingency Reserves (Spinning)	-388	-316	-302	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-445	-351	-333	-341	-424	-447	-446	-414	-406	-354	-309	-500	-413	-366
45 Total Reserves, Maintenance & Losses	-6222	-5554	-5533	-5531	-5634	-4822	-4354	-4766	-4774	-4812	-4478	-4782	-4538	-5613

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12845	10132	9604	9850	12230	12883	12864	11955	11711	10207	8915	14418	11915	10562
47 Total Firm Surplus/Deficit	1856	-86	-165	-591	387	266	226	-150	322	-345	-1272	3168	1420	21

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	249	249	235	257	304	326	336	317	270	255	255	230	234	260
5 Total Firm Non-Utility Obligations	879	879	823	725	578	576	375	387	707	717	717	802	826	884
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4875	4875	4651	4898	5394	5997	5997	5771	5234	5035	5035	4848	4831	5073
12 GPU 2012 PSC	1312	1312	1304	1446	1674	1822	1854	1860	1629	1499	1499	1366	1325	1339
13 NGP 2012 Slice PSC	570	422	398	403	562	565	558	534	589	429	355	596	459	479
14 GPU 2012 Slice PSC	2324	1722	1622	1643	2291	2307	2278	2180	2405	1749	1448	2433	1871	1954
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	382	480	482	417	377	378	378	162	108	130
18 Federal Diversity	-502	-539	-572	-364	-321	-552	-318	-327	-394	-505	-520	-524	-524	-430
19 Total Transfers Out	10059	9272	8885	9642	11331	11969	12201	11786	11190	9935	9544	10231	9419	9895
20 Total Firm Obligations	10937	10151	9708	10367	11909	12545	12577	12173	11898	10652	10261	11033	10245	10778
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3365	-6814	-7434	-7638	-4785	-5174	-5689	-5282	-3412	-5792	-7605	-2125	-6092	-5921
24 Non-Fed CER (Canada)	231	231	231	231	231	231	231	231	231	228	228	228	228	228
25 Total Hydro Resources	17734	14289	13765	13731	16741	15947	15114	15134	16599	13549	11820	17746	14924	15446
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	131	131	133	268	301	399	401	336	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	53	53	53	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1314	1314	1316	1452	1485	1583	1585	1521	1521	1522	1522	217	163	1314
38 Total Resources	19048	15604	15081	15183	18226	17531	16700	16654	18120	15071	13342	17964	15087	16760
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-563	-563	-565	-569	-573	-563	-555	-546	-535	-519	-521	-492	-521	-569
40 Contingency Reserves (Spinning)	-388	-315	-302	-301	-377	-379	-370	-358	-394	-315	-278	-389	-321	-343
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-445	-348	-331	-335	-436	-441	-429	-412	-459	-355	-307	-461	-370	-385
45 Total Reserves, Maintenance & Losses	-6223	-5551	-5531	-5521	-5656	-4813	-4325	-4763	-4868	-4815	-4475	-4663	-4411	-5646

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12825	10053	9550	9662	12571	12717	12374	11891	13252	10256	8867	13300	10675	11113
47 Total Firm Surplus/Deficit	1888	-98	-158	-705	662	173	-202	-282	1354	-396	-1394	2268	430	335

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	633	633	591	469	275	250	40	71	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	250	250	236	258	305	327	337	303	271	256	256	230	235	260
5 Total Firm Non-Utility Obligations	883	883	827	728	579	577	377	374	708	718	718	803	827	885
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4934	4934	4708	4955	5454	6062	6043	5737	5277	5078	5078	4891	4874	5116
12 GPU 2012 PSC	1343	1343	1335	1480	1712	1862	1817	1705	1596	1469	1469	1338	1297	1312
13 NGP 2012 Slice PSC	566	416	397	410	545	576	586	540	509	428	359	656	524	449
14 GPU 2012 Slice PSC	2311	1698	1618	1672	2224	2350	2391	2201	2078	1746	1466	2674	2138	1833
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	300	398	400	335	336	337	337	162	108	130
18 Federal Diversity	-507	-545	-578	-368	-324	-557	-321	-327	-397	-510	-525	-530	-529	-434
19 Total Transfers Out	10127	9326	8962	9766	11260	12041	12266	11541	10749	9898	9534	10541	9763	9756
20 Total Firm Obligations	11010	10209	9788	10493	11839	12618	12643	11915	11457	10616	10251	11343	10590	10641
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-3423	-6926	-7445	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
24 Non-Fed CER (Canada)	228	228	228	228	228	228	228	228	228	226	226	226	226	226
25 Total Hydro Resources	17673	14174	13751	13878	16327	16071	15582	15150	14958	13491	11865	17848	15155	14856
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	131	131	133	268	301	399	401	336	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	53	53	53	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1314	1314	1316	1452	1485	1583	1585	1521	1521	1522	1522	1347	1293	1314
38 Total Resources	18987	15489	15067	15330	17813	17654	17168	16670	16479	15013	13388	19195	16448	16170
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-563	-563	-565	-569	-573	-563	-555	-546	-535	-519	-521	-532	-561	-569
40 Contingency Reserves (Spinning)	-387	-312	-301	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-443	-345	-331	-340	-422	-445	-444	-413	-406	-354	-309	-500	-413	-366
45 Total Reserves, Maintenance & Losses	-6219	-5544	-5531	-5530	-5632	-4820	-4353	-4764	-4774	-4812	-4478	-4782	-4538	-5612

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12767	9944	9537	9800	12181	12834	12815	11906	11705	10202	8910	14413	11911	10557
47 Total Firm Surplus/Deficit	1757	-265	-252	-693	341	216	172	-9.2	248	-414	-1342	3070	1321	-83

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

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	165	165	155	166	191	207	214	200	179	172	172	157	157	164
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	340	340	340	340	340	340	320	320	320	320	320	320	0	0
4 Fed. Agencies 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total Firm Non-Utility Obligations	1135	1135	1083	974	805	797	574	590	936	954	954	1049	748	788
Transfers Out														
6 NGP 2002 PSC	3822	3822	3889	4161	4617	5147	5192	4980	4489	4308	4308	3870	3762	3944
7 GPU 2002 PSC	2295	2295	2540	2700	3223	3549	3468	3431	3125	2731	2731	2238	2250	2473
8 NGP 2002 Slice PSC	761	571	571	655	798	800	819	733	696	486	370	748	609	723
9 GPU 2002 Slice PSC	1267	952	951	1090	1328	1332	1365	1221	1159	810	617	1246	1014	1205
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GPU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 NGP 2012 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GPU 2012 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1557	1557	1549	1503	1456	1462	1462	1461	1455	1480	1480	1546	1528	1536
17 Regional Transfers (Out)	1393	1393	1207	842	1046	1144	1146	1074	993	994	994	967	718	739
18 Federal Diversity	-803	-868	-969	-1370	-1321	-1212	-1327	-1296	-1207	-1169	-1254	-1126	-960	-883
19 Total Transfers Out	10291	9721	9738	9581	11147	12221	12125	11604	10711	9640	9246	9489	8921	9738
20 Total Firm Obligations	11426	10856	10821	10555	11952	13018	12699	12195	11647	10594	10199	10538	9669	10526
Hydro Resources														
21 Regulated Hydro	20306	20297	20459	20566	20798	20631	20368	19914	19316	18560	18507	18832	19892	20506
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5631	-8505	-8643	-7816	-6475	-6944	-7069	-7245	-6855	-8616	-9310	-4957	-7888	-6729
24 Non-Fed CER (Canada)	247	247	247	247	247	247	247	247	247	249	249	249	249	249
25 Total Hydro Resources	15553	12681	12639	13633	15174	14347	13900	13321	13267	10802	10174	14979	13172	14715
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	229	229	231	336	362	460	462	397	398	429	429	261	184	206
31 Regional Transfers (In)	912	912	332	30	331	308	308	308	307	306	306	7.4	8.6	8.4
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	0	1130
34 Non-Utility Generation	34	34	17	34	42	34	34	34	34	34	34	50	33	29
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	2318	2318	1725	1548	1885	1955	1957	1891	1891	1920	790	338	240	1392
38 Total Resources	17870	14999	14364	15181	17059	16302	15857	15212	15158	12723	10965	15316	13413	16107
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-564	-564	-566	-571	-576	-567	-559	-549	-538	-520	-482	-494	-521	-571
40 Contingency Reserves (Spinning)	-333	-274	-272	-298	-338	-338	-339	-313	-311	-246	-198	-320	-276	-324
41 Generation Imbalance Reserves	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
42 Load Following Reserves	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-418	-340	-319	-343	-406	-408	-409	-372	-370	-286	-239	-382	-322	-371
45 Total Reserves, Maintenance & Losses	-5823	-5184	-5171	-5297	-5359	-4535	-4070	-4473	-4489	-4469	-4080	-4307	-4111	-5406

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	12048	9816	9193	9884	11700	11767	11788	10739	10669	8253	6885	11009	9301	10701
47 Total Firm Surplus/Deficit	622	-1040	-1627	-671	-252	-1251	-911	-1455	-977	-2340	-3315	471	-368	175

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	167	167	157	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	0	0	0	169	194	210	217	193	182	174	174	159	159	166
5 Total Firm Non-Utility Obligations	797	797	745	637	468	460	257	263	618	636	636	731	751	791
Transfers Out														
6 NGP 2002 PSC	3866	3866	3952	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	2477	2477	2551	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	760	566	562	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	1266	942	936	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	0	0	0	4534	5027	5607	5559	5266	4825	4636	4636	4449	4434	4662
12 GPU 2012 PSC	0	0	0	1624	1868	2027	1873	1761	1652	1525	1525	1394	1354	1368
13 NGP 2012 Slice PSC	0	0	0	359	476	470	483	442	427	311	291	566	455	441
14 GPU 2012 Slice PSC	0	0	0	1466	1943	1917	1970	1803	1743	1267	1188	2307	1856	1798
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1531	1531	1524	1430	1384	1385	1383	1384	1383	1412	1412	1475	1476	1477
17 Regional Transfers (Out)	724	724	132	267	464	562	564	499	418	419	419	162	143	164
18 Federal Diversity	-838	-906	-984	-1191	-1135	-1046	-1144	-1105	-1055	-1019	-1093	-1024	-869	-790
19 Total Transfers Out	9787	9200	8672	8489	10027	10922	10688	10050	9395	8550	8377	9329	8848	9120
20 Total Firm Obligations	10584	9997	9418	9126	10496	11382	10945	10313	10013	9186	9013	10060	9599	9911
Hydro Resources														
21 Regulated Hydro	20306	20297	20459	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5450	-8392	-8569	-8971	-6926	-7491	-7596	-7482	-7044	-8545	-9272	-4190	-7570	-7013
24 Non-Fed CER (Canada)	249	249	249	249	249	249	249	249	249	245	245	245	245	245
25 Total Hydro Resources	15735	12797	12715	12416	14617	13649	13225	12952	12985	10813	10170	15698	13462	14370
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	9.3	9.3	30	45	345	322	322	322	322	322	322	22	22	22
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	34	34	17	34	42	34	21	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1392	1392	1400	1540	1883	1952	1943	1861	1862	1892	1892	1414	1354	1379
38 Total Resources	17127	14189	14115	13956	16500	15601	15168	14812	14846	12704	12062	17112	14816	15750
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-564	-564	-566	-569	-573	-563	-555	-545	-535	-518	-520	-531	-560	-569
40 Contingency Reserves (Spinning)	-338	-277	-274	-269	-325	-322	-323	-304	-304	-247	-237	-376	-322	-316
41 Generation Imbalance Reserves	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
42 Load Following Reserves	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-386	-307	-304	-310	-395	-393	-394	-367	-367	-293	-280	-446	-374	-367
45 Total Reserves, Maintenance & Losses	-5982	-5339	-5344	-5008	-5107	-4253	-3788	-4236	-4258	-4256	-3979	-4247	-4028	-5173

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	11145	8850	8770	8948	11393	11348	11380	10577	10588	8448	8083	12865	10788	10577
47 Total Firm Surplus/Deficit	561	-1147	-647	-178	898	-34	435	264	575	-738	-931	2805	1189	666

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	169	169	160	172	197	213	218	204	182	175	175	160	159	167
5 Total Firm Non-Utility Obligations	799	799	747	640	471	463	258	274	619	637	637	732	751	791
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4532	4532	4321	4567	5057	5634	5640	5423	4903	4712	4712	4526	4512	4742
12 GPU 2012 PSC	1371	1371	1364	1483	1710	1858	1890	1896	1665	1535	1535	1402	1361	1375
13 NGP 2012 Slice PSC	467	321	348	350	472	463	479	438	398	307	290	505	383	364
14 GPU 2012 Slice PSC	1905	1309	1420	1428	1927	1889	1952	1787	1622	1252	1183	2059	1562	1485
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1485	1485	1483	1437	1391	1392	1390	1391	1390	1419	1419	1482	1483	1484
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	143	164
18 Federal Diversity	-752	-813	-879	-1201	-1144	-1053	-1155	-1128	-1065	-1029	-1104	-1034	-878	-798
19 Total Transfers Out	9138	8335	8189	8331	9878	10745	10761	10305	9331	8615	8454	9103	8566	8817
20 Total Firm Obligations	9937	9134	8937	8971	10349	11208	11019	10580	9950	9252	9091	9835	9317	9608
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5685	-9105	-8719	-8991	-6829	-7387	-7453	-7379	-7441	-8421	-9097	-4124	-7729	-8348
24 Non-Fed CER (Canada)	245	245	245	245	245	245	245	245	245	239	239	239	239	239
25 Total Hydro Resources	15427	12012	12495	12392	14710	13749	13364	13052	12584	10931	10339	15758	13298	13030
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	22	22	45	56	356	333	333	333	333	333	333	33	33	33
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1374	1374	1400	1521	1856	1934	1938	1872	1873	1903	1903	295	235	1390
38 Total Resources	16801	13386	13895	13914	16567	15683	15302	14923	14457	12833	12241	16052	13533	14420
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-492	-520	-569
40 Contingency Reserves (Spinning)	-331	-258	-270	-268	-327	-324	-326	-307	-294	-250	-241	-340	-280	-283
41 Generation Imbalance Reserves	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
42 Load Following Reserves	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-383	-288	-304	-305	-393	-389	-392	-365	-348	-291	-280	-407	-328	-317
45 Total Reserves, Maintenance & Losses	-5755	-5084	-5124	-5123	-5228	-4446	-3984	-4402	-4410	-4438	-4164	-4312	-4081	-5271

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	11047	8302	8771	8791	11338	11237	11318	10521	10047	8395	8077	11740	9452	9149
47 Total Firm Surplus/Deficit	1109	-832	-165	-180	989	29	299	-59	97	-856	-1014	1905	135	-459

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	170	170	160	172	198	213	242	227	200	191	191	174	175	186
5 Total Firm Non-Utility Obligations	799	799	748	641	472	463	282	298	637	653	653	746	766	810
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4611	4611	4396	4642	5134	5717	5705	5466	4963	4770	4770	4582	4567	4798
12 GPU 2012 PSC	1379	1379	1371	1493	1724	1875	1830	1836	1609	1482	1482	1351	1310	1324
13 NGP 2012 Slice PSC	462	314	338	343	470	462	473	431	388	306	287	562	438	344
14 GPU 2012 Slice PSC	1884	1281	1380	1398	1918	1884	1929	1757	1584	1246	1172	2292	1787	1402
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1500	1500	1498	1452	1406	1407	1405	1406	1406	1434	1434	1497	1498	1499
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-759	-821	-887	-1213	-1154	-1063	-1170	-1139	-1078	-1041	-1117	-1046	-888	-807
19 Total Transfers Out	9206	8393	8228	8383	9963	10844	10735	10255	9289	8616	8447	9400	8820	8690
20 Total Firm Obligations	10005	9193	8976	9023	10434	11307	11017	10553	9926	9269	9101	10146	9587	9500
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5587	-9043	-8762	-8951	-6688	-7237	-7367	-7234	-7353	-8176	-8878	-3794	-7474	-8516
24 Non-Fed CER (Canada)	239	239	239	239	239	239	239	239	239	238	238	238	238	238
25 Total Hydro Resources	15520	12068	12446	12426	14846	13893	13444	13190	12666	11174	10557	16086	13551	12861
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	33	33	56	23	273	250	250	250	250	250	250	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1385	1385	1411	1488	1773	1851	1855	1789	1790	1820	1820	1392	1332	1357
38 Total Resources	16904	13453	13857	13914	16619	15744	15299	14979	14455	12994	12376	17478	14884	14218
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-531	-560	-569
40 Contingency Reserves (Spinning)	-333	-259	-269	-269	-330	-328	-328	-310	-297	-256	-247	-386	-325	-279
41 Generation Imbalance Reserves	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-380	-284	-299	-299	-389	-386	-386	-358	-340	-288	-276	-444	-362	-302
45 Total Reserves, Maintenance & Losses	-5929	-5256	-5245	-5278	-5387	-4598	-4154	-4660	-4650	-4687	-4412	-4681	-4446	-5498

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10976	8196	8612	8636	11231	11146	11145	10319	9805	8306	7964	12796	10438	8720
47 Total Firm Surplus/Deficit	970	-996	-364	-387	797	-161	127	-234	-121	-963	-1137	2650	851	-781

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	186	186	176	190	220	237	248	233	205	195	195	178	178	190
5 Total Firm Non-Utility Obligations	816	816	763	658	494	486	287	303	641	657	657	750	770	814
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4665	4665	4448	4694	5185	5770	5778	5557	5027	4836	4836	4650	4634	4867
12 GPU 2012 PSC	1328	1328	1320	1439	1666	1815	1847	1853	1622	1492	1492	1359	1317	1332
13 NGP 2012 Slice PSC	452	305	323	335	463	462	472	429	388	302	285	498	378	346
14 GPU 2012 Slice PSC	1846	1246	1318	1367	1890	1885	1924	1752	1582	1233	1161	2030	1541	1413
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1514	1514	1512	1466	1420	1421	1419	1420	1420	1448	1448	1496	1496	1498
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-768	-830	-897	-1226	-1167	-1074	-1180	-1153	-1086	-1050	-1126	-1055	-895	-814
19 Total Transfers Out	9167	8358	8156	8343	9922	10840	10823	10357	9371	8681	8516	9139	8579	8772
20 Total Firm Obligations	9983	9174	8919	9001	10415	11326	11110	10660	10012	9338	9173	9889	9349	9586
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5579	-9019	-8802	-8886	-6608	-7104	-7287	-7244	-7343	-8228	-8915	-3997	-7601	-8465
24 Non-Fed CER (Canada)	238	238	238	238	238	238	238	238	238	237	237	237	237	237
25 Total Hydro Resources	15527	12091	12405	12490	14925	14025	13524	13179	12675	11122	10518	15883	13424	12910
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	22	22	19	14	18
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1352	1352	1355	1465	1500	1601	1605	1539	1540	1570	1570	262	202	1357
38 Total Resources	16878	13443	13760	13956	16425	15626	15128	14718	14214	12691	12088	16144	13626	14268
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-518	-520	-492	-520	-569
40 Contingency Reserves (Spinning)	-333	-260	-268	-270	-332	-331	-330	-310	-297	-255	-246	-343	-283	-280
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-374	-278	-288	-295	-377	-379	-378	-349	-332	-278	-266	-402	-322	-304
45 Total Reserves, Maintenance & Losses	-6096	-5425	-5454	-5449	-5551	-4703	-4234	-4651	-4642	-4676	-4402	-4557	-4325	-5501

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10782	8019	8307	8506	10874	10923	10894	10067	9572	8015	7686	11588	9301	8767
47 Total Firm Surplus/Deficit	799	-1155	-613	-495	459	-403	-216	-593	-440	-1323	-1486	1699	-49	-820

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	190	190	179	194	225	242	248	221	205	196	196	178	179	190
5 Total Firm Non-Utility Obligations	820	820	767	663	499	492	288	292	642	658	658	750	771	815
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4733	4733	4513	4758	5251	5840	5825	5525	5075	4881	4881	4693	4677	4912
12 GPU 2012 PSC	1335	1335	1328	1473	1704	1855	1810	1698	1589	1462	1462	1331	1290	1304
13 NGP 2012 Slice PSC	453	307	324	336	463	463	472	430	388	303	283	561	440	347
14 GPU 2012 Slice PSC	1848	1251	1322	1369	1887	1889	1925	1756	1582	1236	1154	2287	1796	1417
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1498	1498	1496	1466	1420	1421	1419	1420	1420	1448	1448	1434	1435	1425
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-774	-837	-904	-1241	-1181	-1087	-1192	-1151	-1098	-1061	-1138	-1066	-905	-823
19 Total Transfers Out	9223	8418	8212	8427	10007	10943	10822	10176	9374	8688	8509	9401	8841	8713
20 Total Firm Obligations	10043	9238	8979	9090	10506	11435	11110	10468	10016	9346	9167	10152	9612	9528
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5586	-9008	-8793	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
24 Non-Fed CER (Canada)	237	237	237	237	237	237	237	237	237	235	235	235	235	235
25 Total Hydro Resources	15519	12101	12412	12500	14910	14044	13527	13201	12675	11158	10505	16016	13543	12874
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	12	12	14	18	20	23	24	23	23	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1352	1352	1355	1465	1500	1601	1605	1539	1540	1548	1548	1373	1318	1339
38 Total Resources	16871	13453	13768	13965	16410	15645	15132	14740	14214	12706	12053	17388	14861	14213
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-562	-562	-564	-569	-573	-562	-555	-545	-535	-517	-520	-531	-559	-568
40 Contingency Reserves (Spinning)	-333	-260	-268	-271	-332	-332	-330	-311	-297	-255	-245	-384	-324	-279
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-373	-278	-288	-295	-376	-379	-378	-350	-332	-278	-265	-441	-361	-302
45 Total Reserves, Maintenance & Losses	-6096	-5425	-5454	-5450	-5550	-4704	-4234	-4652	-4642	-4676	-4399	-4676	-4444	-5498

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10775	8028	8314	8515	10859	10941	10897	10088	9572	8029	7654	12713	10417	8715
47 Total Firm Surplus/Deficit	732	-1210	-665	-575	353	-494	-213	-381	-445	-1316	-1513	2561	805	-812

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	190	190	180	195	226	242	335	316	269	254	254	229	233	259
5 Total Firm Non-Utility Obligations	820	820	768	663	500	492	374	386	706	716	716	801	825	884
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4777	4777	4556	4802	5294	5888	5888	5667	5133	4937	4937	4750	4733	4971
12 GPU 2012 PSC	1308	1308	1300	1443	1670	1818	1850	1856	1625	1495	1495	1362	1321	1335
13 NGP 2012 Slice PSC	456	309	328	338	462	463	473	429	388	303	282	499	380	349
14 GPU 2012 Slice PSC	1860	1261	1336	1381	1886	1888	1929	1750	1582	1236	1149	2035	1551	1425
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1425	1425	1425	1395	1395	1395	1395	1395	1395	1425	1425	1425	1425	1425
17 Regional Transfers (Out)	130	130	132	267	464	562	564	499	418	419	419	162	108	130
18 Federal Diversity	-782	-846	-914	-1254	-1193	-1097	-1221	-1194	-1121	-1083	-1161	-1087	-923	-841
19 Total Transfers Out	9174	8364	8163	8372	9978	10917	10878	10402	9419	8733	8545	9146	8595	8794
20 Total Firm Obligations	9994	9184	8931	9035	10478	11409	11252	10788	10125	9449	9261	9947	9420	9678
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5584	-9022	-8784	-8872	-6633	-7089	-7260	-7253	-7348	-8210	-8977	-4025	-7610	-8460
24 Non-Fed CER (Canada)	235	235	235	235	235	235	235	235	235	234	234	234	234	234
25 Total Hydro Resources	15518	12085	12420	12501	14897	14037	13548	13167	12667	11136	10453	15852	13412	12913
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	3.5	3.5	3	4.1	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	3.2
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1339	1339	1341	1447	1480	1579	1581	1516	1517	1548	1548	243	188	1339
38 Total Resources	16858	13425	13761	13948	16377	15616	15129	14683	14184	12684	12001	16094	13600	14252
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-561	-561	-564	-568	-572	-562	-554	-544	-534	-517	-520	-491	-520	-568
40 Contingency Reserves (Spinning)	-333	-260	-268	-270	-331	-331	-330	-309	-296	-255	-244	-342	-283	-280
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-373	-277	-288	-295	-375	-378	-378	-348	-331	-278	-264	-400	-322	-303
45 Total Reserves, Maintenance & Losses	-6095	-5423	-5453	-5449	-5548	-4702	-4234	-4649	-4640	-4675	-4396	-4553	-4324	-5500

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10763	8001	8307	8499	10830	10914	10895	10034	9544	8009	7605	11541	9276	8752
47 Total Firm Surplus/Deficit	769	-1183	-623	-536	352	-495	-357	-754	-582	-1440	-1656	1594	-144	-926

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	249	249	235	257	304	326	335	316	269	254	254	229	233	259
5 Total Firm Non-Utility Obligations	879	879	823	725	578	576	375	386	706	716	716	801	825	883
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4833	4833	4610	4855	5351	5949	5932	5690	5175	4978	4978	4790	4773	5011
12 GPU 2012 PSC	1339	1339	1331	1476	1708	1859	1813	1820	1592	1465	1465	1334	1294	1308
13 NGP 2012 Slice PSC	456	310	328	341	470	470	478	437	393	309	289	563	443	350
14 GPU 2012 Slice PSC	1858	1264	1337	1390	1916	1917	1952	1784	1602	1259	1178	2299	1808	1427
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1425	1425	1425	1395	1395	1395	1395	1395	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	382	480	482	417	377	378	378	162	108	130
18 Federal Diversity	-798	-863	-933	-1281	-1221	-1122	-1233	-1201	-1132	-1093	-1172	-1098	-932	-849
19 Total Transfers Out	9242	8437	8229	8443	10000	10947	10821	10342	9357	8646	8465	9401	8843	8727
20 Total Firm Obligations	10121	9316	9053	9168	10577	11523	11195	10728	10063	9362	9182	10202	9669	9610
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5593	-9006	-8781	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
24 Non-Fed CER (Canada)	234	234	234	234	234	234	234	234	234	231	231	231	231	231
25 Total Hydro Resources	15508	12100	12422	12497	14907	14041	13524	13198	12672	11154	10501	16012	13539	12870
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	206	206	208	313	346	444	446	381	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	3.5	3.5	3	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1339	1339	1341	1497	1530	1628	1630	1566	1521	1522	1522	1347	1293	1314
38 Total Resources	16848	13439	13763	13994	16437	15669	15155	14764	14193	12677	12024	17359	14832	14184
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-561	-561	-564	-569	-573	-563	-555	-546	-535	-519	-521	-532	-561	-569
40 Contingency Reserves (Spinning)	-333	-260	-268	-270	-331	-331	-330	-310	-296	-255	-245	-384	-324	-279
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-373	-278	-288	-296	-377	-380	-378	-350	-331	-277	-264	-440	-360	-301
45 Total Reserves, Maintenance & Losses	-6094	-5424	-5454	-5451	-5551	-4705	-4235	-4653	-4642	-4677	-4399	-4676	-4444	-5498

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10753	8015	8310	8543	10886	10964	10919	10111	9551	8000	7624	12683	10387	8686
47 Total Firm Surplus/Deficit	632	-1301	-743	-625	308	-559	-276	-618	-512	-1362	-1557	2481	719	-924

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	249	249	235	257	304	326	336	317	270	255	255	230	234	260
5 Total Firm Non-Utility Obligations	879	879	823	725	578	576	375	387	707	717	717	802	826	884
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4875	4875	4651	4898	5394	5997	5997	5771	5234	5035	5035	4848	4831	5073
12 GPU 2012 PSC	1312	1312	1304	1446	1674	1822	1854	1860	1629	1499	1499	1366	1325	1339
13 NGP 2012 Slice PSC	458	311	330	341	470	469	480	436	393	308	287	500	382	352
14 GPU 2012 Slice PSC	1870	1271	1346	1390	1917	1911	1957	1779	1603	1258	1169	2040	1558	1434
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	382	480	482	417	377	378	378	162	108	130
18 Federal Diversity	-806	-872	-942	-1293	-1233	-1133	-1245	-1217	-1143	-1103	-1184	-1109	-942	-858
19 Total Transfers Out	9189	8377	8171	8399	9954	10895	10875	10396	9443	8725	8535	9157	8612	8819
20 Total Firm Obligations	10068	9256	8994	9124	10532	11471	11251	10783	10150	9442	9252	9959	9437	9703
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5584	-9022	-8784	-8871	-6613	-7108	-7255	-7246	-7333	-8194	-8964	-4045	-7622	-8461
24 Non-Fed CER (Canada)	231	231	231	231	231	231	231	231	231	228	228	228	228	228
25 Total Hydro Resources	15514	12081	12416	12498	14912	14014	13549	13170	12677	11146	10460	15825	13393	12905
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	131	131	133	268	301	399	401	336	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
34 Non-Utility Generation	53	53	53	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1314	1314	1316	1452	1485	1583	1585	1521	1521	1522	1522	217	163	1314
38 Total Resources	16829	13396	13732	13950	16398	15597	15134	14690	14199	12668	11983	16043	13556	14220
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-563	-563	-565	-569	-573	-563	-555	-546	-535	-519	-521	-492	-521	-569
40 Contingency Reserves (Spinning)	-333	-260	-268	-270	-332	-330	-330	-309	-296	-255	-244	-341	-283	-280
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-372	-276	-287	-295	-376	-378	-378	-348	-331	-277	-263	-398	-320	-302
45 Total Reserves, Maintenance & Losses	-6095	-5423	-5454	-5450	-5550	-4702	-4235	-4650	-4642	-4676	-4397	-4552	-4323	-5500

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10734	7972	8278	8500	10848	10895	10899	10040	9557	7992	7586	11491	9233	8720
47 Total Firm Surplus/Deficit	666	-1284	-716	-624	316	-576	-352	-743	-593	-1450	-1666	1532	-204	-984

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
1 Fed. Agencies 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR Obligation	633	633	591	469	275	250	40	71	437	462	462	572	592	624
3 DSI Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Fed. Agencies 2012 PSC	250	250	236	258	305	327	337	303	271	256	256	230	235	260
5 Total Firm Non-Utility Obligations	883	883	827	728	579	577	377	374	708	718	718	803	827	885
Transfers Out														
6 NGP 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GPU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 NGP 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GPU 2002 Slice PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 IOU 2002 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 NGP 2012 PSC	4934	4934	4708	4955	5454	6062	6043	5737	5277	5078	5078	4891	4874	5116
12 GPU 2012 PSC	1343	1343	1335	1480	1712	1862	1817	1705	1596	1469	1469	1338	1297	1312
13 NGP 2012 Slice PSC	457	310	330	340	474	474	483	441	394	311	291	563	443	349
14 GPU 2012 Slice PSC	1862	1266	1347	1389	1932	1933	1969	1801	1609	1267	1186	2298	1807	1426
15 IOU 2012 PSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Exports	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
17 Regional Transfers (Out)	130	130	132	267	300	398	400	335	336	337	337	162	108	130
18 Federal Diversity	-815	-881	-952	-1307	-1245	-1144	-1257	-1214	-1153	-1114	-1195	-1120	-951	-866
19 Total Transfers Out	9261	8452	8250	8474	9977	10936	10805	10155	9410	8698	8515	9481	8928	8817
20 Total Firm Obligations	10144	9335	9076	9202	10556	11513	11182	10529	10117	9415	9233	10284	9754	9701
Hydro Resources														
21 Regulated Hydro	20238	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
22 Independent Hydro	630	642	576	636	604	413	354	405	559	609	728	855	920	690
23 Operational Peaking Adj.	-5615	-9037	-8772	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
24 Non-Fed CER (Canada)	228	228	228	228	228	228	228	228	228	226	226	226	226	226
25 Total Hydro Resources	15481	12063	12425	12491	14901	14035	13518	13192	12666	11149	10496	16007	13534	12865
Other Resources														
26 Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Renewables	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Imports	131	131	133	268	301	399	401	336	337	338	338	163	109	131
31 Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Transmission Loss Returns	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Large Thermal	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
34 Non-Utility Generation	53	53	53	54	54	54	54	55	54	54	54	54	54	53
35 Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Augmentation Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Other Resources	1314	1314	1316	1452	1485	1583	1585	1521	1521	1522	1522	1347	1293	1314
38 Total Resources	16795	13377	13741	13943	16386	15618	15104	14713	14187	12672	12019	17354	14827	14179
Reserves & Maintenance														
39 Contingency Reserves (Non-Spinning)	-563	-563	-565	-569	-573	-563	-555	-546	-535	-519	-521	-532	-561	-569
40 Contingency Reserves (Spinning)	-332	-259	-268	-270	-331	-331	-330	-310	-296	-255	-245	-384	-324	-279
41 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
42 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
43 Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
44 Federal Transmission Losses	-371	-276	-287	-294	-376	-378	-377	-349	-331	-277	-264	-439	-360	-301
45 Total Reserves, Maintenance & Losses	-6093	-5423	-5454	-5450	-5550	-4703	-4234	-4652	-4642	-4677	-4399	-4676	-4444	-5498

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
46 Total Net Resources	10702	7955	8286	8493	10836	10915	10870	10061	9545	7995	7620	12678	10382	8681
47 Total Firm Surplus/Deficit	558	-1380	-790	-708	281	-598	-312	-468	-572	-1420	-1613	2394	628	-1020

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Section 10
Monthly Federal System 70-Water Year Surplus/Deficit

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Monthly Federal System 70-Water Year Surplus/Deficit 1-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2984	371	-193	-766	-388	-39	-230	-549	724	-649	919	284	2191	2673
1930 Federal Surplus/Deficit	1285	69	-324	-395	-279	35	-119	-670	146	-263	1983	-472	845	2456
1931 Federal Surplus/Deficit	223	233	-508	-689	5	49	-260	-474	-233	509	-2359	1085	723	2790
1932 Federal Surplus/Deficit	2191	659	-8.1	-1226	-670	-61	-914	-1170	1038	2363	2786	3450	4011	3380
1933 Federal Surplus/Deficit	1321	1014	137	-478	-671	680	3225	2317	331	2186	2244	3062	3915	4096
1934 Federal Surplus/Deficit	3779	2967	520	188	2128	3513	3592	3403	3628	3504	2749	3113	3414	3380
1935 Federal Surplus/Deficit	453	137	-169	-727	-715	146	2830	2934	-113	1007	2089	3109	2659	3836
1936 Federal Surplus/Deficit	3405	691	-481	-614	-458	-96	-821	109	276	457	2616	3261	3933	3044
1937 Federal Surplus/Deficit	2088	638	-596	-495	70	-58	-76	-854	-141	-1146	-2193	1889	956	1969
1938 Federal Surplus/Deficit	2331	888	-198	-600	-604	531	2881	1275	2961	3088	2677	3280	3585	3684
1939 Federal Surplus/Deficit	1139	191	229	-372	-449	-51	-33	-587	1402	1471	2681	3251	2099	2638
1940 Federal Surplus/Deficit	319	-48	-623	-306	37	767	-242	-40	3380	3000	2624	3025	2950	1972
1941 Federal Surplus/Deficit	130	-26	-241	-572	-105	320	-494	-383	2148	197	885	1661	1082	2574
1942 Federal Surplus/Deficit	1804	863	552	-1160	-78	919	1199	1432	51	413	2232	2958	3829	3992
1943 Federal Surplus/Deficit	3444	1781	-12	-385	-683	220	2351	2895	3498	3771	2913	3257	3945	4000
1944 Federal Surplus/Deficit	2938	436	-710	-697	-397	-61	-167	-393	312	-612	1121	-152	138	1969
1945 Federal Surplus/Deficit	1657	548	170	-1142	-644	-88	-613	-1004	-128	-1143	-2151	3231	3160	2358
1946 Federal Surplus/Deficit	1619	348	-507	-915	-134	684	1729	546	3456	3582	2820	3331	3559	3980
1947 Federal Surplus/Deficit	2990	915	78	-781	-240	2852	3196	2916	3339	3079	2613	3266	3960	3986
1948 Federal Surplus/Deficit	2692	551	-79	1861	2256	1511	3564	1311	2785	2281	2757	3475	3826	4146
1949 Federal Surplus/Deficit	3725	3017	398	-213	-373	491	-99	1879	3604	3344	2915	3419	3877	2030
1950 Federal Surplus/Deficit	806	-139	-624	-657	-549	354	2518	2934	3407	3562	2693	3118	3778	4115
1951 Federal Surplus/Deficit	3280	1874	117	471	1375	3163	3755	3674	3850	3526	2602	3310	3590	4112
1952 Federal Surplus/Deficit	3674	1008	-119	1267	711	1553	3489	2312	1433	3652	2924	3447	4083	3843
1953 Federal Surplus/Deficit	2910	756	-521	-590	-496	-44	370	3145	1901	-356	2145	3328	4163	4163
1954 Federal Surplus/Deficit	3114	949	-71	-216	-151	1036	2358	2984	2356	2945	2521	3340	3683	4033
1955 Federal Surplus/Deficit	3812	4101	2429	-187	873	1042	283	-168	786	249	1700	3029	4047	4076
1956 Federal Surplus/Deficit	3796	2594	-300	-31	1590	3018	3742	3006	3124	3027	2251	3262	3782	4153
1957 Federal Surplus/Deficit	3214	1662	42	20	-518	882	1359	1061	3512	3378	2607	3407	3903	3436
1958 Federal Surplus/Deficit	1759	200	-204	-579	-196	208	1154	3049	2743	2528	2679	3437	4146	3373
1959 Federal Surplus/Deficit	1766	690	-316	-281	370	2314	3711	3021	2098	3488	2595	3008	3777	3749
1960 Federal Surplus/Deficit	3417	1470	2674	2287	2555	2639	3083	2063	3157	3855	2702	3296	4074	3797
1961 Federal Surplus/Deficit	2379	381	-16	-419	-500	260	2608	2198	3643	3493	2073	3276	3785	3639
1962 Federal Surplus/Deficit	2552	1350	-459	-977	-253	610	1920	2104	1003	2868	2882	3276	4123	2915
1963 Federal Surplus/Deficit	2005	738	-508	375	688	2115	2523	2781	246	1445	2058	3244	3915	3896
1964 Federal Surplus/Deficit	3290	1047	-36	-879	-399	565	914	1905	152	1739	726	3202	4148	4125
1965 Federal Surplus/Deficit	3771	1686	832	614	551	3063	3754	3290	3461	2945	2578	2980	4144	3755
1966 Federal Surplus/Deficit	3512	2554	157	-30	-413	468	2254	1041	-115	3750	2486	3184	3239	3921
1967 Federal Surplus/Deficit	3200	779	-426	-762	-549	643	3542	2768	1922	1817	-229	2929	3699	4159
1968 Federal Surplus/Deficit	3637	1308	111	-287	-420	640	2852	2979	2950	-261	1462	2921	3844	4113
1969 Federal Surplus/Deficit	3588	2335	1626	693	1796	1619	3745	3007	2998	3226	2491	3402	3924	4071
1970 Federal Surplus/Deficit	2600	250	-304	-169	-150	137	420	2714	2533	1800	1753	3105	4250	3634
1971 Federal Surplus/Deficit	1659	215	-503	-632	-321	455	3583	3072	3526	3530	2570	3329	3938	4146
1972 Federal Surplus/Deficit	3818	2956	326	-23	-301	810	3640	3049	3486	3456	2463	3016	3831	4050
1973 Federal Surplus/Deficit	3843	3945	483	-216	-253	1149	1162	-111	606	-1258	816	2748	1593	2597
1974 Federal Surplus/Deficit	179	-72	-599	-711	-643	2202	3723	3262	3270	3162	2285	2756	3840	4081
1975 Federal Surplus/Deficit	3719	3061	69	-990	-410	181	1840	1995	3544	474	1966	3255	4032	4151
1976 Federal Surplus/Deficit	2686	1719	481	817	1988	3591	3755	3255	3482	3496	2606	3322	4011	4100
1977 Federal Surplus/Deficit	3830	4097	2995	-162	-261	-34	-175	-68	411	-1254	-362	-898	127	1904
1978 Federal Surplus/Deficit	2044	955	-28	-1498	-720	1098	1635	1451	2502	3460	2355	3082	3276	3886
1979 Federal Surplus/Deficit	2535	1046	1744	159	-103	99	182	1725	3365	1606	1612	3272	1451	2134
1980 Federal Surplus/Deficit	119	-46	-623	-647	-166	661	-795	930	516	1213	2617	3384	3796	3228
1981 Federal Surplus/Deficit	1401	229	-61	-483	-8.7	2744	3264	1822	2734	-64	1941	3081	3986	4153
1982 Federal Surplus/Deficit	3780	3605	-57	-366	180	641	2944	2973	3394	3582	2637	3175	3774	4059
1983 Federal Surplus/Deficit	3802	2515	1544	818	453	1115	3407	2573	3393	3445	2696	3250	3774	4158
1984 Federal Surplus/Deficit	3799	2480	484	-203	2468	762	3459	1359	3455	3693	2778	3273	4306	4133
1985 Federal Surplus/Deficit	3361	690	337	-381	302	624	1635	-528	2773	3424	2665	3243	2204	1979
1986 Federal Surplus/Deficit	121	-91	-410	-328	1300	72	2520	3195	3582	3696	2696	3045	3465	3660
1987 Federal Surplus/Deficit	2701	437	-563	-897	161	190	-165	125	1647	2033	1853	3011	2975	2637
1988 Federal Surplus/Deficit	443	-97	-677	-874	-329	-109	-487	-732	-120	-356	1482	2479	266	3108
1989 Federal Surplus/Deficit	2095	695	-347	-1101	-658	185	-626	464	2250	3497	2712	3209	2665	2278
1990 Federal Surplus/Deficit	113	-16	-488	-743	-88	1413	3058	2571	2329	3350	2706	3128	4037	3602
1991 Federal Surplus/Deficit	3045	1487	-585	-1072	1714	1685	3280	2649	1143	2959	2330	3272	3658	4071
1992 Federal Surplus/Deficit	3810	2289	-377	-824	-623	-83	12	-733	2894	417	1081	2205	1131	2274

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	114	41	-678	-829	-372	73	-116	-427	643	808	633	3266	1872	3244
1994 Federal Surplus/Deficit	2307	1009	-702	-880	128	347	-230	181	195	-453	2454	2551	1515	2685
1995 Federal Surplus/Deficit	121	-30	-615	-948	-623	227	588	2697	3312	2846	1452	3205	3402	3847
1996 Federal Surplus/Deficit	2173	733	-139	188	2578	3327	3609	3255	3219	3318	2653	3241	4210	4151
1997 Federal Surplus/Deficit	3787	1564	-47	-399	-393	1494	3628	2925	2990	2957	2331	2973	3922	4115
1998 Federal Surplus/Deficit	3735	2367	1657	2281	1183	551	2642	2376	2901	2012	1939	3203	4114	3853

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2899	5.6	535	215	842	888	790	1305	1492	886	2400	2386	2912	1278
1930 Federal Surplus/Deficit	1336	-323	357	-86	663	869	926	1052	1506	989	2191	2041	1271	2669
1931 Federal Surplus/Deficit	378	-144	115	-523	1043	774	636	1074	1449	746	2158	4225	873	2498
1932 Federal Surplus/Deficit	2164	321	796	-446	288	846	-249	324	2777	3291	4544	4917	3681	2514
1933 Federal Surplus/Deficit	1364	707	969	12	229	2450	3804	4075	4840	4041	3839	4721	3579	3921
1934 Federal Surplus/Deficit	3636	2781	1370	923	3690	4372	4827	5063	5278	4498	4414	4776	4086	2741
1935 Federal Surplus/Deficit	582	-248	569	-66	34	1053	2899	4737	3655	4055	3863	4705	3388	3745
1936 Federal Surplus/Deficit	3282	363	220	-191	600	806	-769	1275	2012	2195	4470	4922	4074	2367
1937 Federal Surplus/Deficit	2068	297	-8.6	-210	1121	875	1010	944	1535	247	2315	3694	1916	658
1938 Federal Surplus/Deficit	2295	564	537	54	160	1802	3784	3195	5292	4712	4601	4939	4123	3332
1939 Federal Surplus/Deficit	1203	-186	1055	225	565	666	679	1212	2278	4353	4450	4905	2498	2398
1940 Federal Surplus/Deficit	464	-411	-88	83	1102	1832	1273	1499	4721	4554	4413	4665	3073	1877
1941 Federal Surplus/Deficit	326	-425	501	85	1099	1149	324	1221	3638	1612	2813	3350	1820	2316
1942 Federal Surplus/Deficit	1810	540	1407	-489	1241	2109	3636	929	1990	2543	4140	4583	4096	3715
1943 Federal Surplus/Deficit	3322	1527	796	74	84	1249	3365	3475	5420	4644	4503	4861	4108	3409
1944 Federal Surplus/Deficit	2856	76	-390	-110	797	809	903	1392	1824	650	3054	2243	398	1333
1945 Federal Surplus/Deficit	1676	198	982	-399	362	620	245	481	1548	251	2354	4884	4206	919
1946 Federal Surplus/Deficit	1643	-18	139	-554	577	1953	1748	2297	5390	4828	4572	4915	3877	3565
1947 Federal Surplus/Deficit	2905	591	880	-88	933	4194	4360	5080	5299	4636	4350	4912	4036	3835
1948 Federal Surplus/Deficit	2630	201	693	2975	2886	3035	4884	2574	5111	4206	4554	4986	3459	4167
1949 Federal Surplus/Deficit	3587	2834	1242	510	747	1710	1186	1629	5405	4781	4625	4994	3884	1338
1950 Federal Surplus/Deficit	902	-473	-304	-310	626	1193	3688	5077	5377	4521	4533	4783	3327	3904
1951 Federal Surplus/Deficit	3175	1621	926	1259	3288	4407	5050	5052	5332	4793	4556	4910	4051	4065
1952 Federal Surplus/Deficit	3541	693	629	2239	1915	3067	4587	4425	4383	4891	4640	4959	4278	3506
1953 Federal Surplus/Deficit	2833	419	82	-190	474	808	49	4302	4510	3432	4008	4975	3842	4096
1954 Federal Surplus/Deficit	3019	631	692	502	1025	2487	2672	5261	5225	4548	4347	4942	3375	3755
1955 Federal Surplus/Deficit	3648	3964	3182	538	2150	2502	763	2048	1851	1761	3647	4729	3456	3934
1956 Federal Surplus/Deficit	3653	2386	394	675	2647	4309	4990	5033	4864	4331	4404	4965	3948	4128
1957 Federal Surplus/Deficit	3114	1395	837	748	729	2586	2358	954	5404	4659	4370	4872	4176	3113
1958 Federal Surplus/Deficit	1769	-180	512	-17	894	965	1610	3637	5336	4666	4475	4916	4051	3013
1959 Federal Surplus/Deficit	1776	351	378	29	1683	3748	4996	5197	5211	4527	4373	4691	3667	3705
1960 Federal Surplus/Deficit	3305	1191	3426	3279	3727	3863	4398	3926	3778	4240	4506	4947	4139	3580
1961 Federal Surplus/Deficit	2340	18	776	306	786	1742	2548	4621	5455	4555	3885	4890	3639	3379
1962 Federal Surplus/Deficit	2500	1062	174	-508	781	1505	3589	3114	2158	4525	4510	4928	4074	1604
1963 Federal Surplus/Deficit	1993	405	137	940	2122	3588	3666	4270	4047	2850	3787	4852	4299	3639
1964 Federal Surplus/Deficit	3185	737	746	-211	669	1799	2306	2387	2025	4077	3925	4863	3863	4064
1965 Federal Surplus/Deficit	3627	1422	1690	1336	1660	4355	5033	5096	4977	4298	4501	4688	4417	3669
1966 Federal Surplus/Deficit	3389	2343	965	713	1029	2112	3266	3132	1560	4343	4219	4825	4044	3818
1967 Federal Surplus/Deficit	3101	447	226	-256	508	2260	4712	5140	5059	3748	2203	4598	3728	4140
1968 Federal Surplus/Deficit	3508	1016	927	439	1326	2104	3408	5002	5045	2846	3244	4301	3952	4072
1969 Federal Surplus/Deficit	3463	2112	2437	1420	2851	3129	5102	5051	4917	4503	4400	4968	4029	3968
1970 Federal Surplus/Deficit	2542	-115	426	397	1051	1015	2464	2367	4828	3978	3644	4755	4235	3039
1971 Federal Surplus/Deficit	1679	-164	107	-226	682	1274	4887	5191	5323	4703	4519	4962	4072	4179
1972 Federal Surplus/Deficit	3666	2769	1167	702	979	2203	4689	5345	5168	4228	4496	4729	3420	3886
1973 Federal Surplus/Deficit	3680	3801	1328	507	1150	2609	2483	1630	2172	248	2829	4329	2423	1623
1974 Federal Surplus/Deficit	339	-406	-96	-425	151	3208	4927	5013	4789	4437	4358	4477	3366	3913
1975 Federal Surplus/Deficit	3578	2884	887	-331	844	1228	2481	3739	5415	2973	3378	4913	4220	4179
1976 Federal Surplus/Deficit	2625	1455	1328	1536	3264	4505	5084	5265	5309	4770	4549	4898	4102	4061
1977 Federal Surplus/Deficit	3667	3960	3865	564	941	947	894	1672	1860	146	2223	1086	93	1248
1978 Federal Surplus/Deficit	2032	639	746	-814	30	2363	2658	2530	4969	4515	4065	4745	3938	3735
1979 Federal Surplus/Deficit	2477	745	2527	890	1003	669	1399	2601	4577	2993	4047	4930	2665	1585
1980 Federal Surplus/Deficit	315	-445	-79	-326	891	1050	90	764	3223	4419	4399	4890	4175	2069
1981 Federal Surplus/Deficit	1441	-145	728	236	952	4054	4769	4509	3859	1577	3853	4797	3625	4181
1982 Federal Surplus/Deficit	3624	3451	727	348	1448	2001	2910	5265	5254	4867	4423	4807	3765	4080
1983 Federal Surplus/Deficit	3655	2304	2357	1535	1564	2562	4097	4823	5344	4762	4441	4903	4260	4179
1984 Federal Surplus/Deficit	3655	2264	1330	525	3464	2145	4807	3944	5622	4947	4620	4957	4005	4177
1985 Federal Surplus/Deficit	3251	350	1169	344	1416	1977	2270	1955	4139	4661	4478	4897	3794	-88
1986 Federal Surplus/Deficit	317	-425	219	191	2204	963	3018	4819	5415	4736	4562	4715	4477	3431
1987 Federal Surplus/Deficit	2636	80	32	-509	1250	1254	745	1419	2903	2289	3733	4834	3589	2701
1988 Federal Surplus/Deficit	575	-431	-201	-696	721	538	363	998	1510	860	3431	4126	1079	2609
1989 Federal Surplus/Deficit	2077	359	364	-472	175	848	236	1802	2973	4657	4508	4867	3850	318
1990 Federal Surplus/Deficit	309	-413	147	-370	1338	2919	3127	5002	4538	3815	4467	4804	3638	3256
1991 Federal Surplus/Deficit	2952	1211	-7.9	-686	3506	3128	4523	4965	4811	4486	4310	4910	3985	3999
1992 Federal Surplus/Deficit	3664	2064	307	-482	696	627	1196	2167	4361	1593	3005	4005	1242	1634

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	310	-351	-358	-190	639	984	798	1259	1656	1970	2338	4921	2801	2730
1994 Federal Surplus/Deficit	2271	697	-382	-565	1207	1223	819	1897	1658	779	3602	4198	3207	1782
1995 Federal Surplus/Deficit	309	-430	-214	-415	261	729	870	3496	5327	4637	3816	4893	4270	3237
1996 Federal Surplus/Deficit	2149	400	639	955	3755	4534	4970	5002	5134	4481	4478	4945	4032	4175
1997 Federal Surplus/Deficit	3645	1289	734	314	1102	2968	5046	4872	4846	4555	4441	4760	3619	4013
1998 Federal Surplus/Deficit	3597	2145	2465	3179	2842	1939	3696	3202	3859	3389	4312	4885	3931	3623

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	3392	333	688	166	1096	832	593	820	1129	804	1901	1542	1832	1735
1930 Federal Surplus/Deficit	2403	586	890	-108	903	809	713	571	1320	904	1519	1219	228	2713
1931 Federal Surplus/Deficit	2760	671	705	-508	1334	715	450	592	-925	665	-982	3159	-177	2571
1932 Federal Surplus/Deficit	1595	-193	297	-445	479	790	-331	-122	2594	3091	4002	3734	3271	2603
1933 Federal Surplus/Deficit	2592	969	1111	-19	395	2448	3479	3581	4390	3745	3256	3638	3134	3510
1934 Federal Surplus/Deficit	3911	3182	1025	830	3924	4315	4726	4798	4726	4225	3874	3546	2996	2738
1935 Federal Surplus/Deficit	1136	272	717	-106	160	1003	2582	4245	3365	3751	3279	3508	2270	3322
1936 Federal Surplus/Deficit	3639	502	231	-204	833	748	-766	790	1888	2065	3910	3729	3375	2486
1937 Federal Surplus/Deficit	2383	354	313	-215	1414	822	786	463	809	186	-825	2731	872	1726
1938 Federal Surplus/Deficit	2461	528	907	20	314	1784	3457	2698	4767	4291	4059	3752	3301	3154
1939 Federal Surplus/Deficit	1728	-47	1042	175	783	590	497	728	2137	4025	3871	3671	1436	2511
1940 Federal Surplus/Deficit	1848	145	534	36	1399	1818	1034	1012	4303	4163	3837	3491	1976	2084
1941 Federal Surplus/Deficit	1289	112	672	36	1395	1107	178	736	3343	1506	2280	2404	775	2433
1942 Federal Surplus/Deficit	2410	503	1033	-477	1545	2099	3316	448	1863	2393	3554	3413	3469	3321
1943 Federal Surplus/Deficit	3461	1425	1342	34	225	1207	3034	2978	4890	4424	3970	3662	3153	3204
1944 Federal Surplus/Deficit	2760	940	411	-122	1044	746	697	906	1713	569	2507	1408	-671	1726
1945 Federal Surplus/Deficit	2289	220	820	-396	562	549	111	35	1131	189	-786	3691	3004	1737
1946 Federal Surplus/Deficit	2639	266	621	-508	792	1938	1488	1803	4838	4461	4030	3698	3233	3278
1947 Federal Surplus/Deficit	3216	1265	1023	-103	1193	4178	4059	4597	4830	4261	3766	3681	3332	3368
1948 Federal Surplus/Deficit	3072	857	881	2890	3304	3038	4624	2079	4618	3885	3984	3801	3137	3522
1949 Federal Surplus/Deficit	3919	3343	1204	439	987	1688	952	1141	4912	4383	4084	3791	3357	1731
1950 Federal Surplus/Deficit	1141	-187	392	-303	851	1151	3368	4592	4941	4351	3997	3721	3056	3437
1951 Federal Surplus/Deficit	3882	2689	1047	1154	3703	4387	4918	4866	4931	4444	4014	3692	3271	3518
1952 Federal Surplus/Deficit	3855	1522	1087	2117	2274	3069	4303	3925	4017	4505	4099	3765	3588	3253
1953 Federal Surplus/Deficit	3190	498	355	-196	682	747	-51	3801	4118	3210	3421	3741	3304	3498
1954 Federal Surplus/Deficit	3248	1655	830	431	1299	2484	2364	4783	4811	4201	3763	3717	2917	3444
1955 Federal Surplus/Deficit	3946	4114	3205	466	2529	2501	574	1556	1742	1653	3071	3563	3064	3508
1956 Federal Surplus/Deficit	3910	2591	532	596	3051	4290	4864	4621	4650	4121	3874	3751	2938	3538
1957 Federal Surplus/Deficit	3424	1714	860	664	964	2584	2055	474	4868	4440	3789	3749	3140	3020
1958 Federal Surplus/Deficit	2467	83	808	-44	1155	907	1358	3131	4780	4270	3905	3807	3488	2955
1959 Federal Surplus/Deficit	2301	580	794	-3.7	2024	3741	4829	4720	4695	4291	3788	3578	3028	3331
1960 Federal Surplus/Deficit	3920	1951	3547	3467	3935	3854	4106	3431	3491	4142	3920	3713	3405	3274
1961 Federal Surplus/Deficit	3388	483	551	249	1033	1723	2240	4123	4907	4172	3300	3679	3098	3158
1962 Federal Surplus/Deficit	2153	919	554	-474	1032	1476	3268	2617	2022	4258	3971	3697	3468	1845
1963 Federal Surplus/Deficit	2453	1119	422	846	2498	3582	3348	3769	3712	2682	3206	3652	3087	3292
1964 Federal Surplus/Deficit	3399	1043	985	-214	899	1782	2013	1893	1903	3790	3343	3628	3402	3528
1965 Federal Surplus/Deficit	3906	1999	1558	1227	1999	4335	4900	4685	4765	3975	3960	3645	3531	3321
1966 Federal Surplus/Deficit	3893	2619	717	625	1309	2105	2945	2635	1285	4108	3633	3615	2870	3382
1967 Federal Surplus/Deficit	3611	727	514	-268	722	2253	4435	4729	4742	3490	791	3598	2946	3488
1968 Federal Surplus/Deficit	3785	1208	971	374	1631	2095	3085	4514	4558	2671	2692	3227	3263	3451
1969 Federal Surplus/Deficit	3814	2436	2383	1309	3268	3132	4877	4640	4471	4294	3863	3762	3367	3433
1970 Federal Surplus/Deficit	3159	403	629	334	1330	961	2164	1873	4382	3710	3070	3543	3591	2980
1971 Federal Surplus/Deficit	2857	233	509	-238	912	1233	4621	4895	4954	4444	3948	3753	3261	3549
1972 Federal Surplus/Deficit	3952	3187	1138	622	1245	2194	4403	4952	4695	4142	3928	3746	3101	3475
1973 Federal Surplus/Deficit	3976	4148	1512	438	1438	2607	2182	1142	2029	169	2296	3248	1361	1861
1974 Federal Surplus/Deficit	2157	58	653	-418	298	3202	4817	4602	4577	4228	3946	3527	3083	3497
1975 Federal Surplus/Deficit	3903	3776	1056	-316	1095	1184	2181	3242	4877	2800	2817	3713	3302	3602
1976 Federal Surplus/Deficit	3496	2596	1527	1425	3678	4387	4899	4768	4872	4343	4006	3705	3354	3498
1977 Federal Surplus/Deficit	3963	4111	3802	490	1209	897	684	1183	1742	84	1662	411	-974	1664
1978 Federal Surplus/Deficit	2360	424	563	-745	155	2349	2347	2035	4488	4247	3478	3551	2760	3335
1979 Federal Surplus/Deficit	2814	841	2567	796	1277	591	1155	2106	4184	2818	3462	3701	1597	1828
1980 Federal Surplus/Deficit	1163	29	518	-326	1154	999	-18	286	2980	4063	3822	3714	3503	2244
1981 Federal Surplus/Deficit	1555	82	1005	181	1221	4044	4510	4012	3544	1475	3270	3573	3187	3509
1982 Federal Surplus/Deficit	3916	3704	888	288	1770	1988	2594	4853	4908	4445	3843	3677	3147	3471
1983 Federal Surplus/Deficit	3942	3639	2311	1423	1894	2560	3778	4330	4924	4448	3863	3679	3599	3527
1984 Federal Surplus/Deficit	3932	3063	1276	454	3874	2135	4528	3440	4941	4490	4060	3723	3488	3517
1985 Federal Surplus/Deficit	3572	1262	1206	287	1730	1964	1975	1464	3787	4244	3908	3687	2639	1735
1986 Federal Surplus/Deficit	1154	-142	430	145	2586	908	2700	4318	4963	4415	4020	3521	3548	3203
1987 Federal Surplus/Deficit	3124	550	435	-483	1547	1216	564	933	2699	2154	3155	3632	2448	2733
1988 Federal Surplus/Deficit	1175	-74	432	-651	976	467	218	516	1297	778	2863	3090	30	2669
1989 Federal Surplus/Deficit	2652	663	539	-447	332	788	107	1312	2769	4397	3966	3630	2691	1720
1990 Federal Surplus/Deficit	1505	407	609	-358	1655	2922	2806	4518	4138	3552	3926	3567	3228	3107
1991 Federal Surplus/Deficit	3773	1659	353	-619	3910	3131	4234	4554	4366	4255	3731	3677	3301	3470
1992 Federal Surplus/Deficit	3944	2927	583	-451	937	549	964	1675	3980	1489	2460	2984	198	1867

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	1147	-97	466	-213	871	929	605	775	1451	1859	1297	3694	1730	2762
1994 Federal Surplus/Deficit	2862	1056	318	-519	1509	1186	625	1406	1563	698	3028	3141	2100	1997
1995 Federal Surplus/Deficit	1509	214	512	-407	441	658	679	2990	4784	4245	3236	3659	3608	3101
1996 Federal Surplus/Deficit	2536	942	1000	860	3957	4341	4848	4773	4859	4293	3949	3762	3464	3579
1997 Federal Surplus/Deficit	3935	2561	881	260	1381	2961	4918	4461	4634	4230	3914	3658	3212	3505
1998 Federal Surplus/Deficit	3873	3154	2320	3116	3260	1925	3368	2705	3552	3175	3727	3760	3401	3296

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2954	89	699	282	745	678	434	632	1068	661	1659	2113	2523	788
1930 Federal Surplus/Deficit	2174	387	945	-22	568	666	557	403	1231	761	1296	1797	908	2133
1931 Federal Surplus/Deficit	2482	486	735	-463	938	568	289	414	-549	523	-1041	3658	490	1972
1932 Federal Surplus/Deficit	1420	-596	217	-384	205	638	-517	-218	2354	2911	3730	4195	3511	1993
1933 Federal Surplus/Deficit	2330	816	1213	78	152	2175	3283	3291	4072	3534	2967	4100	3342	3330
1934 Federal Surplus/Deficit	3231	2848	1105	987	3307	3940	4474	4515	4565	3923	3653	4011	3574	2272
1935 Federal Surplus/Deficit	965	15	735	0.9	-28	837	2421	3935	3055	3538	2989	3972	2946	3000
1936 Federal Surplus/Deficit	3048	312	156	-128	506	599	-976	602	1717	1905	3638	4220	3788	1855
1937 Federal Surplus/Deficit	2154	121	229	-148	1015	662	632	293	811	61	-884	3262	1563	146
1938 Federal Surplus/Deficit	2226	321	968	120	86	1544	3264	2434	4462	4026	3827	4221	3826	2705
1939 Federal Surplus/Deficit	1550	-396	1125	292	475	486	336	546	1944	3804	3584	4139	2130	1884
1940 Federal Surplus/Deficit	1667	-155	515	150	996	1570	882	820	3980	3919	3551	3962	2660	1387
1941 Federal Surplus/Deficit	1116	-189	698	152	994	920	8.9	552	3031	1355	2020	2940	1468	1804
1942 Federal Surplus/Deficit	2181	297	1123	-429	1134	1842	3127	279	1688	2228	3263	3885	3771	2990
1943 Federal Surplus/Deficit	2968	1279	1452	140	15	1020	2855	2704	4695	4116	3763	4134	3439	2770
1944 Federal Surplus/Deficit	2479	781	365	-46	701	609	540	715	1561	428	2239	1981	-29	844
1945 Federal Surplus/Deficit	2074	-50	859	-338	276	433	-61	-61	1080	64	-845	4157	3640	419
1946 Federal Surplus/Deficit	2381	8.5	641	-500	487	1691	1337	1573	4676	4165	3806	4162	3649	2889
1947 Federal Surplus/Deficit	2833	1119	1102	-24	834	3891	3834	4282	4668	4017	3472	4149	3734	3075
1948 Federal Surplus/Deficit	2728	691	940	2892	2733	2755	4362	1840	4311	3666	3746	4262	3350	3333
1949 Federal Surplus/Deficit	3230	2978	1304	578	652	1457	800	942	4750	4117	3846	4255	3655	849
1950 Federal Surplus/Deficit	969	-589	303	-249	534	964	3184	4278	4774	4039	3778	4183	3252	3145
1951 Federal Surplus/Deficit	3221	2442	1129	1317	3095	4019	4603	4708	4769	4187	3790	4158	3650	3334
1952 Federal Surplus/Deficit	3211	1376	1169	2221	1794	2784	4062	3624	3692	4214	3875	4226	3943	2846
1953 Federal Surplus/Deficit	2820	280	266	-128	386	605	-232	3504	3792	3023	3130	4207	3545	3278
1954 Federal Surplus/Deficit	2849	1504	871	569	923	2213	2209	4463	4626	3973	3473	4184	3109	3235
1955 Federal Surplus/Deficit	3241	3516	3065	605	2023	2226	413	1335	1593	1500	2786	4035	3260	3332
1956 Federal Surplus/Deficit	3244	2360	499	742	2489	3994	4570	4338	4364	3840	3692	4212	3434	3400
1957 Federal Surplus/Deficit	2977	1561	914	815	635	2310	1903	309	4566	4132	3500	4208	3480	2523
1958 Federal Surplus/Deficit	2230	-235	841	48	795	760	1207	2851	4487	4019	3625	4266	3772	2437
1959 Federal Surplus/Deficit	2085	382	835	94	1567	3454	4546	4398	4396	3984	3490	4037	3242	2989
1960 Federal Surplus/Deficit	3230	1783	3277	3271	3319	3568	3873	3141	3182	3824	3700	4174	3842	2895
1961 Federal Surplus/Deficit	2950	272	541	374	690	1485	2086	3819	4725	3910	2989	4149	3462	2733
1962 Federal Surplus/Deficit	1952	760	536	-451	685	1260	3081	2356	1834	3947	3750	4163	3785	1116
1963 Federal Surplus/Deficit	2216	970	384	1004	1996	3292	3156	3471	3389	2511	2919	4116	3718	2935
1964 Federal Surplus/Deficit	2957	890	1061	-149	576	1541	1861	1659	1735	3582	3055	4093	3657	3368
1965 Federal Surplus/Deficit	3222	1828	1668	1391	1545	4000	4581	4402	4478	3756	3735	4113	4018	2965
1966 Federal Surplus/Deficit	3209	2385	730	778	926	1842	2778	2374	1211	3791	3341	4077	3517	3057
1967 Federal Surplus/Deficit	3097	549	486	-193	419	1989	4189	4420	4513	3292	605	4059	3481	3269
1968 Federal Surplus/Deficit	3185	1061	1050	507	1218	1836	2904	4197	4248	2498	2421	3724	3673	3208
1969 Federal Surplus/Deficit	3198	2223	2415	1471	2700	2850	4576	4356	4156	4013	3645	4222	3771	3164
1970 Federal Surplus/Deficit	2783	194	651	464	948	804	2004	1641	4063	3508	2787	4006	3897	2463
1971 Federal Surplus/Deficit	2560	-37	480	-163	590	1046	4364	4612	4761	4140	3717	4213	3808	3414
1972 Federal Surplus/Deficit	3251	2857	1235	769	879	1934	4165	4669	4515	3824	3645	4206	3313	3295
1973 Federal Surplus/Deficit	3273	3550	1622	575	1046	2332	2029	940	1835	30	2036	3743	2056	1136
1974 Federal Surplus/Deficit	1956	-274	652	-364	80	2910	4580	4319	4291	3947	3729	4039	3283	3318
1975 Federal Surplus/Deficit	3204	3282	1150	-272	747	1004	2029	2965	4583	2628	2541	4179	3653	3436
1976 Federal Surplus/Deficit	3029	2363	1637	1587	3071	4013	4611	4446	4711	4075	3732	4166	3805	3355
1977 Federal Surplus/Deficit	3257	3512	3430	631	841	731	528	977	1580	-41	1434	1012	-359	759
1978 Federal Surplus/Deficit	2138	203	536	-764	-32	2071	2191	1794	4177	3943	3186	4015	3409	3007
1979 Federal Surplus/Deficit	2507	684	2542	954	902	492	1003	1866	3858	2645	3171	4173	2290	1097
1980 Federal Surplus/Deficit	987	-295	497	-264	791	834	-197	127	2692	3832	3536	4174	3833	1572
1981 Federal Surplus/Deficit	1381	-223	1090	304	852	3759	4243	3708	3225	1324	2980	4035	3433	3322
1982 Federal Surplus/Deficit	3216	3244	953	415	1336	1737	2432	4570	4678	4169	3556	4150	3562	3258
1983 Federal Surplus/Deficit	3242	3200	2351	1585	1452	2282	3574	4021	4759	4148	3576	4153	3910	3341
1984 Federal Surplus/Deficit	3248	2759	1376	593	3257	1878	4275	3150	4748	4222	3823	4188	3760	3336
1985 Federal Surplus/Deficit	3069	1116	1300	412	1306	1714	1823	1247	3462	3983	3629	4167	3300	-646
1986 Federal Surplus/Deficit	982	-545	350	258	2075	753	2538	3992	4790	4115	3780	3987	3878	2782
1987 Federal Surplus/Deficit	2763	351	391	-452	1144	1022	402	742	2440	1994	2870	4096	3114	2160
1988 Federal Surplus/Deficit	999	-448	383	-642	623	376	48	343	1212	635	2584	3597	699	2078
1989 Federal Surplus/Deficit	2387	481	535	-415	100	645	-67	1101	2510	4092	3741	4092	3349	-213
1990 Federal Surplus/Deficit	1332	182	616	-310	1228	2639	2641	4204	3812	3352	3674	4028	3469	2642
1991 Federal Surplus/Deficit	3145	1507	276	-636	3288	2848	3998	4271	4047	3948	3436	4144	3715	3322
1992 Federal Surplus/Deficit	3249	2640	581	-426	601	449	811	1449	3653	1338	2194	3496	877	1147

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	976	-473	429	-125	546	774	445	589	1366	1706	1092	4156	2422	2189
1994 Federal Surplus/Deficit	2558	905	230	-511	1100	989	466	1191	1437	556	2745	3643	2781	1292
1995 Federal Surplus/Deficit	1336	-59	470	-354	180	541	519	2713	4485	3997	2949	4124	3919	2628
1996 Federal Surplus/Deficit	2291	785	1088	1019	3340	3967	4566	4490	4636	3983	3747	4223	3749	3468
1997 Federal Surplus/Deficit	3251	2334	942	382	999	2671	4615	4178	4348	3987	3715	4121	3451	3358
1998 Federal Surplus/Deficit	3224	2829	2364	3062	2683	1675	3178	2442	3236	2990	3436	4219	3676	2928

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2799	-47	490	-43	392	481	159	231	692	288	1505	1464	1648	1210
1930 Federal Surplus/Deficit	2017	218	738	-279	224	481	262	15	863	379	1124	1159	-15	2448
1931 Federal Surplus/Deficit	2334	306	527	-649	564	379	28	19	-1015	159	-1371	3009	-441	2300
1932 Federal Surplus/Deficit	1210	-584	5.8	-595	-111	443	-639	-578	2031	2505	3508	3638	3401	2328
1933 Federal Surplus/Deficit	2181	606	1009	-201	-151	1853	2914	2917	3818	3189	2812	3466	3306	3375
1934 Federal Surplus/Deficit	3023	2635	899	509	3103	3749	4273	4153	4341	3774	3421	3437	2825	2481
1935 Federal Surplus/Deficit	690	-111	527	-302	-317	625	2028	3601	2765	3198	2831	3373	2095	3116
1936 Federal Surplus/Deficit	2861	137	-55	-366	166	407	-989	202	1371	1475	3374	3609	3382	2204
1937 Federal Surplus/Deficit	1997	-23	18	-369	639	457	323	-97	420	-257	-1214	2594	652	589
1938 Federal Surplus/Deficit	2071	158	761	-167	-210	1249	2891	2027	4220	3751	3560	3637	3129	2923
1939 Federal Surplus/Deficit	1351	-462	920	-35	144	350	79	148	1605	3480	3364	3561	1242	2230
1940 Federal Surplus/Deficit	1475	-253	306	-168	618	1267	556	416	3720	3634	3323	3356	1797	1776
1941 Federal Surplus/Deficit	874	-286	490	-173	616	684	-200	153	2743	933	1878	2272	560	2151
1942 Federal Surplus/Deficit	2024	134	918	-620	752	1529	2750	-110	1343	1800	3074	3277	3448	3113
1943 Federal Surplus/Deficit	2804	1049	1250	-161	-275	783	2460	2302	4464	4035	3572	3545	3313	2976
1944 Federal Surplus/Deficit	2332	578	154	-284	353	432	252	311	1210	66	2100	1336	-969	1264
1945 Federal Surplus/Deficit	1911	-168	652	-544	-46	281	-254	-421	701	-253	-1175	3561	2833	855
1946 Federal Surplus/Deficit	2231	-118	433	-636	157	1389	986	1157	4452	3959	3590	3584	3323	3047
1947 Federal Surplus/Deficit	2684	899	896	-268	478	3625	3518	3970	4443	3721	3271	3570	3403	3166
1948 Federal Surplus/Deficit	2582	495	733	2248	2301	2427	4105	1425	4065	3338	3519	3705	3303	3332
1949 Federal Surplus/Deficit	3017	2770	1100	187	308	1170	479	535	4527	3846	3594	3694	3378	1269
1950 Federal Surplus/Deficit	695	-578	90	-449	198	727	2807	3962	4547	4007	3524	3528	3131	3235
1951 Federal Surplus/Deficit	3016	2214	924	780	2678	3828	4442	4346	4502	3923	3529	3579	3098	3329
1952 Federal Surplus/Deficit	3011	1146	964	1537	1380	2456	3775	3258	3421	4066	3651	3669	3547	3031
1953 Federal Surplus/Deficit	2672	126	53	-352	60	422	-379	3129	3527	2630	2962	3630	3434	3305
1954 Federal Surplus/Deficit	2699	1270	664	177	559	1891	1817	4162	4395	3661	3274	3606	3108	3306
1955 Federal Surplus/Deficit	3031	3263	2897	210	1600	1903	147	921	1240	1076	2639	3426	3251	3374
1956 Federal Surplus/Deficit	3037	2129	289	320	2056	3749	4419	3976	4033	3510	3545	3651	3146	3400
1957 Federal Surplus/Deficit	2820	1326	707	376	293	1986	1514	-77	4326	4053	3288	3654	3278	2777
1958 Federal Surplus/Deficit	2075	-321	633	-221	439	572	865	2450	4249	3735	3380	3657	3515	2707
1959 Federal Surplus/Deficit	1922	213	627	-188	1164	3159	4316	4104	4153	3820	3297	3436	3193	3121
1960 Federal Surplus/Deficit	3019	1547	3143	2949	3149	3288	3572	2755	2892	3854	3457	3593	3426	3057
1961 Federal Surplus/Deficit	2795	113	332	24	341	1191	1694	3463	4498	3617	2832	3566	3245	2932
1962 Federal Surplus/Deficit	1780	557	327	-606	334	991	2700	1948	1493	3901	3538	3586	3478	1523
1963 Federal Surplus/Deficit	2061	755	174	523	1574	2985	2785	3098	3111	2090	2768	3524	2916	3079
1964 Federal Surplus/Deficit	2801	680	855	-368	237	1243	1479	1243	1388	3231	2901	3517	3501	3398
1965 Federal Surplus/Deficit	3011	1591	1468	831	1143	3798	4429	4040	4147	3428	3519	3433	3420	3109
1966 Federal Surplus/Deficit	3000	2154	522	325	558	1526	2389	1966	838	3808	3160	3487	2699	3177
1967 Federal Surplus/Deficit	2928	364	277	-429	90	1672	3912	4084	4229	2922	388	3343	3124	3296
1968 Federal Surplus/Deficit	2995	842	845	133	835	1524	2512	3872	4001	2080	2282	3077	3303	3257
1969 Federal Surplus/Deficit	3003	1990	2211	886	2268	2530	4365	3995	3905	3684	3439	3657	3446	3235
1970 Federal Surplus/Deficit	2635	33	442	100	581	601	1606	1225	3809	3145	2642	3420	3635	2733
1971 Federal Surplus/Deficit	2414	-155	270	-399	252	809	4097	4250	4493	4022	3486	3654	3187	3444
1972 Federal Surplus/Deficit	3036	2643	1031	345	520	1620	3874	4307	4311	3863	3408	3474	3268	3340
1973 Federal Surplus/Deficit	3060	3297	1420	189	673	2009	1641	532	1496	-286	1894	3099	1167	1541
1974 Federal Surplus/Deficit	1785	-351	443	-564	-213	2586	4420	3957	3959	3618	3522	3222	3264	3363
1975 Federal Surplus/Deficit	2988	3092	945	-457	395	775	1642	2572	4344	2208	2401	3603	3426	3440
1976 Federal Surplus/Deficit	2869	2132	1436	996	2653	3822	4387	4152	4477	3927	3514	3595	3429	3385
1977 Federal Surplus/Deficit	3063	3259	3327	228	480	518	236	567	1232	-358	1267	451	-1271	1180
1978 Federal Surplus/Deficit	1978	51	326	-870	-322	1742	1798	1378	3929	3817	3005	3441	2589	3128
1979 Federal Surplus/Deficit	2362	479	2349	471	538	362	671	1450	3593	2226	3009	3591	1406	1505
1980 Federal Surplus/Deficit	733	-377	288	-477	433	623	-356	-254	2389	3526	3311	3619	3466	1947
1981 Federal Surplus/Deficit	1167	-318	884	-38	490	3484	3990	3352	2943	906	2824	3455	3310	3320
1982 Federal Surplus/Deficit	3001	3050	746	60	943	1430	2029	4208	4424	3918	3338	3552	3190	3279
1983 Federal Surplus/Deficit	3027	3004	2145	997	1055	1950	3220	3680	4514	3931	3354	3567	3520	3337
1984 Federal Surplus/Deficit	3037	2540	1173	199	2856	1566	3996	2762	4517	4017	3556	3611	3578	3327
1985 Federal Surplus/Deficit	2902	896	1096	64	918	1407	1440	833	3188	3699	3382	3570	2468	-202
1986 Federal Surplus/Deficit	707	-533	139	-60	1651	554	2145	3647	4571	3938	3504	3392	3373	2978
1987 Federal Surplus/Deficit	2616	183	180	-618	767	776	146	339	2124	1564	2722	3505	2276	2470
1988 Federal Surplus/Deficit	746	-498	173	-779	270	259	-161	-49	842	264	2443	2941	-231	2400
1989 Federal Surplus/Deficit	2238	299	326	-582	-198	461	-254	689	2194	3974	3485	3516	2520	235
1990 Federal Surplus/Deficit	1112	32	407	-501	839	2320	2250	3890	3549	2985	3448	3450	3359	2872
1991 Federal Surplus/Deficit	2948	1273	65	-744	2904	2528	3702	3909	3792	3751	3224	3566	3240	3352
1992 Federal Surplus/Deficit	3039	2419	372	-584	256	318	491	1033	3386	918	2054	2836	-47	1549

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	701	-521	219	-385	206	575	175	189	996	1281	900	3577	1542	2499
1994 Federal Surplus/Deficit	2413	693	17	-647	719	742	194	778	1078	191	2601	2991	1923	1686
1995 Federal Surplus/Deficit	1117	-175	260	-552	-130	389	251	2310	4246	3711	2798	3548	3538	2865
1996 Federal Surplus/Deficit	2138	580	883	532	3219	3776	4313	4128	4304	3933	3566	3657	3534	3472
1997 Federal Surplus/Deficit	3040	2102	735	42	632	2340	4348	3816	4016	3735	3541	3505	3344	3388
1998 Federal Surplus/Deficit	3022	2615	2157	2488	2251	1369	2799	2035	2951	2592	3241	3626	3486	3082

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2796	-84	473	-191	206	374	157	456	683	278	1531	2068	2495	773
1930 Federal Surplus/Deficit	1977	171	723	-424	35	375	259	235	853	371	1153	1740	864	2115
1931 Federal Surplus/Deficit	2304	256	510	-787	385	273	26	242	-1016	148	-1366	3690	450	1953
1932 Federal Surplus/Deficit	1157	-584	-13	-737	-309	336	-635	-370	2019	2502	3478	4244	3834	1973
1933 Federal Surplus/Deficit	2147	549	996	-348	-352	1732	2904	3143	3804	3177	2804	4154	3688	3442
1934 Federal Surplus/Deficit	3057	2631	884	364	2984	4056	4353	4351	4323	3766	3408	4063	3661	2173
1935 Federal Surplus/Deficit	641	-146	510	-450	-521	516	2018	3817	2752	3185	2820	4025	2937	3037
1936 Federal Surplus/Deficit	2882	87	-74	-511	-24	301	-981	427	1361	1476	3318	4251	3945	1834
1937 Federal Surplus/Deficit	1957	-62	-1.4	-512	461	349	319	124	412	-281	-1209	3265	1518	146
1938 Federal Surplus/Deficit	2032	113	746	-315	-413	1132	2881	2260	4205	3730	3553	4258	3963	2708
1939 Federal Surplus/Deficit	1299	-475	905	-184	-49	249	77	372	1594	3464	3319	4186	2094	1863
1940 Federal Surplus/Deficit	1424	-277	288	-317	440	1149	551	642	3705	3614	3276	4012	2641	1365
1941 Federal Surplus/Deficit	818	-311	473	-321	438	573	-199	378	2730	932	1898	2937	1424	1783
1942 Federal Surplus/Deficit	1984	88	904	-759	575	1410	2740	110	1333	1801	3043	3935	4048	3018
1943 Federal Surplus/Deficit	2809	991	1238	-309	-481	672	2450	2533	4448	4025	3557	4173	3710	2776
1944 Federal Surplus/Deficit	2302	523	136	-428	166	327	249	538	1200	54	2116	1932	-59	829
1945 Federal Surplus/Deficit	1869	-199	635	-685	-241	179	-253	-213	693	-278	-1170	4209	3670	412
1946 Federal Surplus/Deficit	2197	-152	416	-767	-36	1271	980	1389	4435	3937	3590	4207	3851	2904
1947 Federal Surplus/Deficit	2672	841	882	-413	293	3507	3510	4181	4426	3702	3235	4195	3990	3113
1948 Federal Surplus/Deficit	2564	440	717	2162	2158	2306	4098	1658	4050	3323	3466	4294	3692	3400
1949 Federal Surplus/Deficit	3054	2774	1087	38	119	1054	475	763	4509	3825	3581	4292	3960	833
1950 Federal Surplus/Deficit	645	-578	70	-589	7.2	616	2797	4174	4534	4037	3469	4236	3606	3182
1951 Federal Surplus/Deficit	3048	2186	909	640	2543	3737	4436	4544	4490	3947	3515	4207	3933	3401
1952 Federal Surplus/Deficit	3041	1089	949	1422	1216	2334	3768	3483	3407	4043	3605	4261	4218	2857
1953 Federal Surplus/Deficit	2658	82	33	-495	-135	316	-376	3355	3513	2625	2944	4255	3868	3331
1954 Federal Surplus/Deficit	2689	1215	647	28	377	1770	1808	4369	4382	3644	3238	4235	3465	3348
1955 Federal Surplus/Deficit	3067	3334	2867	61	1441	1782	145	1152	1230	1076	2639	4085	3614	3445
1956 Federal Surplus/Deficit	3070	2096	271	172	1908	3631	4420	4173	4020	3484	3527	4256	3483	3483
1957 Federal Surplus/Deficit	2819	1271	691	229	104	1865	1505	143	4310	4043	3246	4227	3702	2517
1958 Federal Surplus/Deficit	2037	-342	616	-368	254	465	859	2682	4234	3715	3327	4282	4063	2428
1959 Federal Surplus/Deficit	1880	165	611	-335	995	3039	4310	4310	4138	3799	3261	4093	3583	3015
1960 Federal Surplus/Deficit	3055	1496	3092	2887	3032	3168	3564	2984	2879	3943	3401	4228	3975	2913
1961 Federal Surplus/Deficit	2791	68	314	-125	154	1074	1685	3685	4481	3598	2823	4201	3759	2741
1962 Federal Surplus/Deficit	1735	502	309	-740	147	876	2690	2181	1482	3920	3538	4212	4073	1097
1963 Federal Surplus/Deficit	2023	697	155	377	1415	2865	2775	3324	3098	2089	2764	4169	3752	2957
1964 Federal Surplus/Deficit	2798	623	840	-510	47	1126	1471	1476	1378	3219	2893	4142	3969	3482
1965 Federal Surplus/Deficit	3047	1542	1457	693	974	3681	4435	4237	4134	3413	3514	4159	4159	2988
1966 Federal Surplus/Deficit	3035	2122	505	178	377	1406	2380	2199	829	3884	3134	4130	3537	3104
1967 Federal Surplus/Deficit	2937	312	258	-573	-103	1552	3905	4282	4216	2913	415	4106	3529	3333
1968 Federal Surplus/Deficit	3020	784	830	-16	659	1404	2502	4086	3986	2079	2297	3757	3840	3267
1969 Federal Surplus/Deficit	3031	1952	2197	752	2124	2408	4359	4192	3890	3658	3419	4265	4028	3220
1970 Federal Surplus/Deficit	2622	-12	426	-49	400	494	1598	1458	3794	3135	2645	4059	4171	2454
1971 Federal Surplus/Deficit	2387	-186	251	-543	61	697	4090	4448	4480	4003	3432	4254	3922	3530
1972 Federal Surplus/Deficit	3073	2638	1018	197	336	1500	3866	4504	4334	3895	3357	4237	3655	3407
1973 Federal Surplus/Deficit	3097	3368	1408	40	494	1888	1632	760	1485	-307	1914	3778	2020	1116
1974 Federal Surplus/Deficit	1739	-368	425	-704	-418	2464	4428	4154	3947	3592	3513	3986	3634	3431
1975 Federal Surplus/Deficit	3026	3134	931	-596	209	665	1633	2802	4329	2207	2412	4229	3867	3526
1976 Federal Surplus/Deficit	2870	2100	1424	863	2519	4129	4381	4358	4464	3905	3464	4208	4014	3470
1977 Federal Surplus/Deficit	3096	3331	3254	80	296	409	232	796	1221	-383	1296	920	-378	744
1978 Federal Surplus/Deficit	1937	8.2	308	-993	-526	1621	1789	1612	3915	3796	2979	4066	3428	3036
1979 Federal Surplus/Deficit	2336	423	2332	326	355	262	665	1683	3579	2225	2995	4217	2257	1078
1980 Federal Surplus/Deficit	677	-396	270	-619	249	514	-353	-37	2377	3508	3265	4213	4105	1550
1981 Federal Surplus/Deficit	1114	-341	870	-187	307	3365	3983	3574	2929	905	2814	4088	3752	3390
1982 Federal Surplus/Deficit	3039	3082	731	-90	771	1312	2019	4406	4412	3896	3294	4195	3796	3312
1983 Federal Surplus/Deficit	3065	3029	2132	863	883	1829	3211	3898	4501	3909	3309	4195	4180	3399
1984 Federal Surplus/Deficit	3072	2528	1160	50	2727	1446	3989	2991	4501	3991	3514	4237	4060	3394
1985 Federal Surplus/Deficit	2909	838	1082	-85	744	1289	1431	1064	3174	3679	3328	4204	3308	-623
1986 Federal Surplus/Deficit	658	-533	120	-209	1493	447	2136	3866	4561	3917	3451	4040	4145	2790
1987 Federal Surplus/Deficit	2601	135	162	-753	589	664	144	565	2112	1565	2721	4149	3116	2143
1988 Federal Surplus/Deficit	689	-505	154	-910	84	160	-160	173	833	254	2450	3622	658	2059
1989 Federal Surplus/Deficit	2205	248	308	-718	-400	355	-253	919	2182	3954	3476	4144	3359	-203
1990 Federal Surplus/Deficit	1058	-9.2	390	-640	665	2199	2240	4101	3535	2976	3439	4081	3791	2641
1991 Federal Surplus/Deficit	2976	1217	46	-869	2778	2406	3694	4106	3778	3730	3180	4191	3869	3437
1992 Federal Surplus/Deficit	3074	2401	354	-719	68	217	486	1265	3372	917	2072	3516	833	1127

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	652	-528	201	-531	16	468	173	414	987	1281	928	4209	2391	2172
1994 Federal Surplus/Deficit	2387	635	-2.7	-778	542	629	192	1008	1068	180	2604	3672	2767	1271
1995 Federal Surplus/Deficit	1063	-205	241	-692	-329	286	249	2542	4230	3691	2793	4174	4189	2627
1996 Federal Surplus/Deficit	2102	524	869	387	3105	4017	4304	4325	4292	3948	3548	4254	4039	3554
1997 Federal Surplus/Deficit	3075	2068	720	-107	450	2219	4339	4013	4004	3709	3522	4158	3775	3473
1998 Federal Surplus/Deficit	3053	2608	2144	2411	2108	1250	2789	2267	2938	2588	3208	4236	3973	2948

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2742	-8.6	360	-294	203	340	18	127	634	143	1382	1336	1498	1054
1930 Federal Surplus/Deficit	2020	244	578	-509	26	340	113	-111	797	234	1009	1031	-127	2301
1931 Federal Surplus/Deficit	2315	328	384	-833	394	238	-109	-96	-981	13	-1453	2888	-536	2152
1932 Federal Surplus/Deficit	1274	-511	-69	-799	-348	302	-725	-744	1920	2356	3384	3528	3251	2180
1933 Federal Surplus/Deficit	2167	615	811	-439	-413	1721	2714	2878	3643	3034	2663	3363	3143	3307
1934 Federal Surplus/Deficit	2961	2642	721	270	2978	3660	4225	3968	4158	3622	3327	3329	2695	2335
1935 Federal Surplus/Deficit	800	-70	392	-549	-612	484	1829	3542	2621	3042	2681	3261	1946	2978
1936 Federal Surplus/Deficit	2793	160	-133	-587	-36	266	-1033	97	1283	1331	3222	3498	3269	2055
1937 Federal Surplus/Deficit	1999	13	-55	-581	470	316	168	-221	377	-409	-1296	2468	522	428
1938 Federal Surplus/Deficit	2070	187	597	-409	-487	1112	2690	1988	4038	3593	3458	3527	3004	2781
1939 Federal Surplus/Deficit	1405	-400	739	-286	-70	209	-56	38	1509	3323	3208	3454	1096	2081
1940 Federal Surplus/Deficit	1521	-202	194	-418	450	1130	394	317	3549	3476	3167	3243	1647	1624
1941 Federal Surplus/Deficit	965	-235	350	-424	448	544	-317	45	2597	789	1746	2144	427	2003
1942 Federal Surplus/Deficit	2027	162	732	-809	587	1394	2549	-235	1253	1655	2918	3164	3342	2974
1943 Federal Surplus/Deficit	2740	1048	1041	-407	-570	643	2259	2264	4282	3898	3495	3435	3154	2834
1944 Federal Surplus/Deficit	2311	591	60	-505	160	291	105	212	1127	-80	1964	1208	-1034	1108
1945 Federal Surplus/Deficit	1923	-123	503	-745	-274	140	-365	-587	645	-406	-1257	3450	2699	695
1946 Federal Surplus/Deficit	2220	-76	297	-771	-58	1252	814	1096	4270	3805	3489	3476	3207	2906
1947 Federal Surplus/Deficit	2636	903	719	-492	293	3510	3326	3894	4261	3563	3115	3463	3278	3028
1948 Federal Surplus/Deficit	2543	510	570	2251	2155	2301	3924	1370	3885	3181	3372	3595	3142	3198
1949 Federal Surplus/Deficit	2960	2782	905	-68	110	1032	320	444	4344	3688	3488	3582	3228	1113
1950 Federal Surplus/Deficit	804	-504	20	-645	-9.6	587	2605	3890	4372	3896	3370	3426	2968	3098
1951 Federal Surplus/Deficit	2953	2210	744	565	2530	3739	4267	4161	4339	3825	3428	3470	2972	3195
1952 Federal Surplus/Deficit	2946	1144	784	1440	1231	2329	3588	3216	3259	3911	3532	3558	3408	2890
1953 Federal Surplus/Deficit	2627	157	-17	-565	-161	281	-474	3090	3360	2479	2809	3523	3283	3170
1954 Federal Surplus/Deficit	2648	1267	513	-78	381	1758	1622	4076	4217	3504	3118	3499	2939	3228
1955 Federal Surplus/Deficit	2999	3316	2727	-45	1454	1771	9.0	851	1158	933	2494	3313	3084	3318
1956 Federal Surplus/Deficit	2974	2124	186	68	1903	3635	4250	3791	3871	3363	3437	3542	2973	3267
1957 Federal Surplus/Deficit	2762	1322	548	127	93	1855	1321	-207	4144	3916	3131	3540	3125	2634
1958 Federal Surplus/Deficit	2074	-266	488	-457	254	431	697	2413	4067	3577	3225	3537	3407	2563
1959 Federal Surplus/Deficit	1934	238	477	-428	1010	3040	4141	3966	3972	3663	3141	3334	3032	2982
1960 Federal Surplus/Deficit	2960	1540	3011	2945	3029	3171	3382	2718	2748	3780	3307	3485	3313	2917
1961 Federal Surplus/Deficit	2738	142	214	-230	148	1053	1499	3417	4316	3459	2683	3456	3087	2791
1962 Federal Surplus/Deficit	1804	570	214	-761	143	851	2498	1908	1399	3783	3440	3479	3337	1369
1963 Federal Surplus/Deficit	2059	761	74	284	1428	2864	2585	3058	2956	1943	2620	3414	2785	2940
1964 Federal Surplus/Deficit	2743	689	680	-577	33	1106	1291	1185	1300	3076	2752	3410	3367	3375
1965 Federal Surplus/Deficit	2951	1585	1253	629	989	3685	4265	3855	3986	3271	3413	3331	3309	2969
1966 Federal Surplus/Deficit	2939	2149	390	79	383	1392	2188	1925	776	3726	3005	3377	2561	3039
1967 Federal Surplus/Deficit	2863	383	171	-649	-127	1538	3727	3899	4067	2768	287	3240	2959	3161
1968 Federal Surplus/Deficit	2930	846	667	-123	670	1388	2311	3807	3822	1932	2145	2957	3192	3121
1969 Federal Surplus/Deficit	2938	1983	1996	700	2127	2404	4190	3810	3728	3536	3330	3546	3323	3099
1970 Federal Surplus/Deficit	2589	62	305	-155	405	461	1415	1165	3634	2990	2497	3311	3506	2588
1971 Federal Surplus/Deficit	2387	-110	165	-619	47	668	3915	4065	4331	3871	3338	3546	3017	3350
1972 Federal Surplus/Deficit	2993	2649	838	93	338	1485	3686	4122	4356	3773	3252	3372	3106	3280
1973 Federal Surplus/Deficit	3023	3350	1210	-67	502	1878	1449	443	1400	-436	1762	2979	1021	1387
1974 Federal Surplus/Deficit	1808	-293	320	-760	-500	2461	4263	3772	3797	3469	3392	3120	3098	3303
1975 Federal Surplus/Deficit	2938	3132	755	-642	205	635	1451	2536	4162	2061	2261	3496	3277	3439
1976 Federal Surplus/Deficit	2808	2127	1224	813	2505	3733	4212	4021	4304	3775	3369	3481	3297	3277
1977 Federal Surplus/Deficit	3057	3312	3226	-26	299	377	88	483	1146	-511	1150	324	-1320	1024
1978 Federal Surplus/Deficit	1986	83	220	-961	-616	1608	1602	1326	3750	3664	2851	3334	2450	2989
1979 Federal Surplus/Deficit	2332	490	2147	233	359	222	506	1396	3427	2079	2857	3484	1259	1351
1980 Federal Surplus/Deficit	834	-321	177	-683	249	482	-455	-391	2258	3368	3155	3508	3330	1796
1981 Federal Surplus/Deficit	1235	-266	702	-292	310	3368	3810	3306	2792	762	2674	3348	3161	3186
1982 Federal Surplus/Deficit	2948	3081	579	-195	785	1294	1830	4023	4263	3761	3182	3444	3026	3144
1983 Federal Surplus/Deficit	2974	3030	1928	814	898	1818	3022	3626	4353	3774	3198	3459	3383	3203
1984 Federal Surplus/Deficit	2977	2543	976	-56	2713	1430	3811	2726	4335	3861	3417	3505	3438	3193
1985 Federal Surplus/Deficit	2838	899	905	-190	757	1271	1250	760	3029	3540	3227	3461	2324	-369
1986 Federal Surplus/Deficit	817	-459	65	-310	1506	413	1946	3595	4404	3785	3357	3281	3261	2837
1987 Federal Surplus/Deficit	2573	209	84	-785	599	636	11	239	2005	1419	2576	3395	2130	2323
1988 Federal Surplus/Deficit	846	-431	80	-916	82	118	-278	-81	767	129	2309	2826	-245	2241
1989 Federal Surplus/Deficit	2224	320	205	-758	-473	316	-381	604	2013	3823	3394	3409	2377	72
1990 Federal Surplus/Deficit	1185	66	279	-690	678	2194	2049	3780	3381	2831	3381	3342	3208	2730
1991 Federal Surplus/Deficit	2882	1268	-11	-840	2764	2403	3513	3724	3618	3593	3068	3459	3122	3230
1992 Federal Surplus/Deficit	2978	2419	250	-743	59	177	332	968	3221	774	1920	2712	-157	1395

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	811	-454	119	-617	3.4	434	35	83	931	1137	791	3470	1393	2353
1994 Federal Surplus/Deficit	2384	701	-53	-781	554	601	54	703	1002	45	2456	2869	1773	1533
1995 Federal Surplus/Deficit	1189	-130	163	-747	-378	248	112	2272	4063	3553	2650	3441	3402	2722
1996 Federal Surplus/Deficit	2132	591	698	296	3108	3687	4119	3940	4142	3812	3485	3542	3400	3341
1997 Federal Surplus/Deficit	2980	2097	571	-211	456	2212	4157	3631	3855	3588	3458	3403	3193	3338
1998 Federal Surplus/Deficit	2957	2620	1940	2508	2099	1233	2597	1995	2803	2442	3086	3505	3347	2942

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2664	-106	233	-270	132	291	64	183	594	215	1468	1971	2397	648
1930 Federal Surplus/Deficit	1876	143	442	-504	-39	292	166	-38	764	308	1090	1644	765	1990
1931 Federal Surplus/Deficit	2189	226	253	-866	311	189	-67	-32	-1105	84	-1429	3593	351	1828
1932 Federal Surplus/Deficit	1107	-599	-179	-816	-383	253	-727	-643	1930	2438	3415	4280	4332	1848
1933 Federal Surplus/Deficit	2036	508	665	-427	-426	1649	2811	2870	3714	3113	2741	4057	4275	3446
1934 Federal Surplus/Deficit	2937	2527	580	285	2905	3973	4310	4077	4234	3704	3335	3966	3563	2048
1935 Federal Surplus/Deficit	632	-167	263	-530	-595	433	1926	3544	2662	3121	2757	3929	2839	2912
1936 Federal Surplus/Deficit	2755	58	-244	-590	-98	217	-1074	153	1271	1413	3255	4155	4113	1709
1937 Federal Surplus/Deficit	1856	-86	-165	-591	387	266	226	-150	322	-345	-1272	3168	1420	21
1938 Federal Surplus/Deficit	1930	86	460	-394	-487	1049	2788	1987	4115	3666	3479	4173	3865	2583
1939 Federal Surplus/Deficit	1240	-491	597	-263	-123	166	-16	98	1504	3401	3256	4089	1996	1738
1940 Federal Surplus/Deficit	1358	-296	72	-396	366	1065	458	369	3616	3551	3213	3916	2543	1240
1941 Federal Surplus/Deficit	793	-329	219	-401	364	490	-292	104	2640	869	1835	2841	1325	1658
1942 Federal Surplus/Deficit	1884	61	588	-838	501	1326	2647	-163	1243	1738	2980	3838	4311	2892
1943 Federal Surplus/Deficit	2678	937	891	-388	-555	589	2358	2260	4358	3962	3485	4089	4270	2651
1944 Federal Surplus/Deficit	2186	485	-57	-507	92	243	156	264	1110	-9.5	2053	1835	-157	704
1945 Federal Surplus/Deficit	1775	-219	370	-764	-315	95	-346	-486	603	-341	-1233	4113	3571	287
1946 Federal Surplus/Deficit	2087	-173	168	-846	-110	1187	887	1116	4345	3873	3527	4115	4055	2759
1947 Federal Surplus/Deficit	2543	794	578	-492	219	3423	3417	3907	4336	3639	3172	4099	4130	2988
1948 Federal Surplus/Deficit	2438	405	433	2083	2079	2223	4005	1384	3961	3259	3403	4344	4266	3275
1949 Federal Surplus/Deficit	2936	2667	759	-41	45	970	382	489	4420	3761	3508	4248	4175	708
1950 Federal Surplus/Deficit	637	-593	-89	-668	-67	533	2704	3901	4444	3975	3402	4139	4137	3057
1951 Federal Surplus/Deficit	2927	2095	602	561	2460	3654	4343	4269	4397	3882	3449	4111	3834	3276
1952 Federal Surplus/Deficit	2918	1034	642	1343	1142	2251	3675	3209	3317	3979	3543	4250	4349	2732
1953 Federal Surplus/Deficit	2530	57	-126	-574	-209	233	-469	3082	3424	2561	2881	4159	4364	3206
1954 Federal Surplus/Deficit	2560	1155	380	-51	303	1686	1715	4096	4293	3581	3175	4138	4094	3357
1955 Federal Surplus/Deficit	2952	3202	2584	-18	1367	1698	52	879	1141	1013	2576	3989	4233	3459
1956 Federal Surplus/Deficit	2950	2009	67	93	1822	3548	4327	3900	3931	3421	3457	4189	4147	3358
1957 Federal Surplus/Deficit	2687	1211	413	150	30	1782	1412	-131	4221	3980	3183	4308	4216	2392
1958 Federal Surplus/Deficit	1933	-359	356	-447	180	382	766	2408	4144	3652	3264	4341	4374	2303
1959 Federal Surplus/Deficit	1785	137	344	-414	921	2956	4217	4037	4049	3735	3198	3996	4155	2890
1960 Federal Surplus/Deficit	2936	1427	2873	2807	2954	3085	3471	2710	2789	3886	3338	4131	4155	2788
1961 Federal Surplus/Deficit	2660	42	91	-204	80	991	1592	3411	4392	3534	2760	4104	4197	2616
1962 Federal Surplus/Deficit	1650	464	92	-819	73	793	2597	1907	1393	3856	3466	4116	4233	972
1963 Federal Surplus/Deficit	1919	654	-44	298	1341	2781	2682	3050	3008	2026	2701	4073	3654	2832
1964 Federal Surplus/Deficit	2667	582	540	-589	-27	1043	1378	1202	1288	3156	2830	4046	4230	3458
1965 Federal Surplus/Deficit	2928	1472	1102	614	900	3597	4342	3964	4045	3350	3451	4064	4148	2862
1966 Federal Surplus/Deficit	2915	2035	262	99	303	1323	2287	1925	740	3826	3071	4034	3439	2979
1967 Federal Surplus/Deficit	2807	280	51	-652	-177	1468	3812	4009	4126	2849	352	4010	4097	3207
1968 Federal Surplus/Deficit	2893	738	526	-95	584	1321	2410	3813	3897	2015	2234	3661	4033	3142
1969 Federal Surplus/Deficit	2905	1869	1845	673	2050	2325	4266	3919	3800	3594	3356	4199	4176	3095
1970 Federal Surplus/Deficit	2493	-38	175	-129	326	411	1505	1185	3705	3071	2582	3963	4409	2328
1971 Federal Surplus/Deficit	2268	-206	45	-622	-13	614	3997	4174	4390	3940	3369	4210	4179	3439
1972 Federal Surplus/Deficit	2959	2535	693	118	262	1417	3773	4231	4417	3832	3294	4141	4232	3409
1973 Federal Surplus/Deficit	2982	3236	1060	-39	420	1805	1539	487	1396	-371	1851	3681	1921	991
1974 Federal Surplus/Deficit	1654	-385	195	-783	-492	2381	4342	3881	3855	3526	3446	3889	4241	3444
1975 Federal Surplus/Deficit	2910	3019	611	-675	135	582	1540	2529	4239	2144	2349	4133	4350	3544
1976 Federal Surplus/Deficit	2739	2013	1074	783	2436	4045	4288	4085	4375	3841	3401	4142	4158	3369
1977 Federal Surplus/Deficit	2974	3199	3090	0.7	222	326	139	523	1132	-446	1233	824	-477	619
1978 Federal Surplus/Deficit	1840	-17	100	-1072	-600	1538	1696	1338	3825	3733	2916	3970	3329	2911
1979 Federal Surplus/Deficit	2215	384	1999	247	281	178	573	1410	3490	2162	2932	4121	2159	953
1980 Federal Surplus/Deficit	662	-413	56	-698	175	431	-446	-310	2287	3445	3202	4299	4256	1425
1981 Federal Surplus/Deficit	1066	-359	560	-266	233	3282	3890	3301	2840	841	2751	3991	4234	3265
1982 Federal Surplus/Deficit	2923	2968	441	-169	697	1228	1926	4133	4322	3832	3231	4100	4162	3186
1983 Federal Surplus/Deficit	2949	2917	1777	784	809	1746	3118	3625	4412	3846	3246	4098	4286	3274
1984 Federal Surplus/Deficit	2954	2428	829	-29	2645	1363	3896	2718	4411	3928	3451	4141	4469	3269
1985 Federal Surplus/Deficit	2778	791	761	-164	670	1206	1338	791	3085	3615	3265	4108	3209	-749
1986 Federal Surplus/Deficit	650	-548	-46	-288	1419	364	2043	3593	4480	3853	3388	3944	4103	2665
1987 Federal Surplus/Deficit	2473	108	-33	-832	514	581	51	292	2022	1501	2658	4053	3018	2018
1988 Federal Surplus/Deficit	674	-521	-36	-989	10	77	-253	18	737	205	2400	3538	697	1911
1989 Federal Surplus/Deficit	2079	202	66	-808	-476	266	-372	636	1987	3891	3401	4048	3261	-328
1990 Federal Surplus/Deficit	1016	-34	153	-719	591	2116	2147	3828	3445	2912	3366	3985	4286	2516
1991 Federal Surplus/Deficit	2852	1157	-123	-948	2697	2323	3601	3833	3688	3666	3117	4095	3974	3322
1992 Federal Surplus/Deficit	2955	2304	125	-798	-6.4	134	394	992	3283	853	2009	3420	735	1002

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	644	-544	0.5	-610	-58	385	80	141	897	1217	865	4112	2293	2047
1994 Federal Surplus/Deficit	2266	594	-162	-857	468	546	99	735	979	116	2541	3576	2668	1146
1995 Federal Surplus/Deficit	1020	-225	45	-771	-403	203	156	2268	4141	3628	2730	4077	4325	2502
1996 Federal Surplus/Deficit	1995	485	555	308	3028	3934	4208	4049	4202	3884	3477	4215	4352	3429
1997 Federal Surplus/Deficit	2957	1982	434	-186	376	2135	4246	3740	3914	3646	3451	4076	4170	3480
1998 Federal Surplus/Deficit	2930	2505	1788	2332	2023	1167	2696	1994	2848	2524	3145	4204	4372	2823

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2630	-119	257	-412	397	196	-341	65	1593	133	1344	1149	1419	966
1930 Federal Surplus/Deficit	1908	134	475	-631	223	194	-253	-172	1743	222	965	849	-227	2223
1931 Federal Surplus/Deficit	2203	217	281	-960	585	93	-463	-158	-43	7.3	-1551	2691	-642	2073
1932 Federal Surplus/Deficit	1162	-621	-172	-924	-120	157	-1018	-801	2717	2315	3353	3416	3184	2100
1933 Federal Surplus/Deficit	2055	504	708	-560	-157	1606	2434	2838	3844	2999	2637	3232	3075	3236
1934 Federal Surplus/Deficit	2849	2531	617	160	3297	3578	4202	3958	4019	3598	3298	3192	2626	2258
1935 Federal Surplus/Deficit	688	-181	288	-668	-320	341	1479	3515	3207	3008	2656	3084	1871	2906
1936 Federal Surplus/Deficit	2682	49	-236	-711	164	121	-1269	35	2170	1294	3192	3376	3203	1975
1937 Federal Surplus/Deficit	1888	-98	-158	-705	662	173	-202	-282	1354	-396	-1394	2268	430	335
1938 Federal Surplus/Deficit	1959	76	494	-529	-214	983	2404	1935	4076	3566	3428	3399	2936	2707
1939 Federal Surplus/Deficit	1293	-511	636	-404	138	59	-408	-24	2373	3291	3180	3312	1013	2001
1940 Federal Surplus/Deficit	1410	-312	91	-536	642	1004	20	255	3831	3449	3139	3063	1570	1540
1941 Federal Surplus/Deficit	853	-346	246	-542	640	404	-649	-17	3171	759	1714	1945	336	1922
1942 Federal Surplus/Deficit	1915	51	628	-936	780	1271	2257	-296	2136	1615	2893	2983	3278	2902
1943 Federal Surplus/Deficit	2629	937	937	-526	-275	503	1933	2213	4177	3874	3466	3312	3086	2760
1944 Federal Surplus/Deficit	2200	480	-44	-628	355	144	-258	149	2031	-85	1934	1023	-1150	1020
1945 Federal Surplus/Deficit	1811	-234	399	-871	-54	-8.8	-692	-644	1607	-392	-1355	3276	2629	605
1946 Federal Surplus/Deficit	2108	-187	193	-902	151	1126	435	1035	4130	3781	3460	3342	3140	2833
1947 Federal Surplus/Deficit	2524	792	615	-615	485	3425	3124	3874	4122	3535	3089	3322	3213	2957
1948 Federal Surplus/Deficit	2431	399	467	2150	2443	2196	3814	1310	3981	3148	3342	3482	3074	3128
1949 Federal Surplus/Deficit	2848	2671	801	-183	307	901	-53	381	4204	3662	3458	3464	3161	1025
1950 Federal Surplus/Deficit	692	-615	-84	-771	194	448	2312	3869	4233	3872	3340	3357	2899	3026
1951 Federal Surplus/Deficit	2841	2100	640	458	2844	3657	4237	4151	4223	3793	3398	3338	2904	3124
1952 Federal Surplus/Deficit	2834	1034	680	1338	1451	2223	3428	3179	3667	3887	3502	3442	3342	2817
1953 Federal Surplus/Deficit	2515	46	-121	-689	53	135	-780	3050	3705	2439	2784	3380	3216	3099
1954 Federal Surplus/Deficit	2537	1156	410	-192	571	1642	1257	4059	4102	3473	3092	3365	2871	3158
1955 Federal Surplus/Deficit	2887	3205	2623	-159	1690	1657	-347	789	2065	902	2468	3130	3016	3248
1956 Federal Surplus/Deficit	2863	2013	83	-45	2172	3551	4230	3781	3836	3331	3406	3415	2904	3197
1957 Federal Surplus/Deficit	2650	1211	445	15	292	1741	951	-268	4162	3892	3104	3437	3058	2558
1958 Federal Surplus/Deficit	1962	-377	384	-578	446	285	319	2362	4039	3550	3196	3427	3342	2487
1959 Federal Surplus/Deficit	1822	128	374	-548	1218	2948	4084	3956	4013	3638	3115	3202	2964	2910
1960 Federal Surplus/Deficit	2848	1430	2907	2836	3343	3082	3200	2674	3340	3755	3277	3322	3247	2845
1961 Federal Surplus/Deficit	2626	32	111	-346	343	925	1133	3383	4198	3430	2657	3330	3019	2717
1962 Federal Surplus/Deficit	1692	459	111	-891	337	717	2199	1854	2269	3759	3411	3341	3271	1283
1963 Federal Surplus/Deficit	1948	650	-29	174	1661	2768	2302	3019	3437	1902	2595	3242	2715	2867
1964 Federal Surplus/Deficit	2632	578	576	-702	234	978	915	1125	2191	3041	2726	3262	3301	3305
1965 Federal Surplus/Deficit	2840	1474	1150	523	1196	3602	4251	3845	3950	3239	3384	3271	3243	2897
1966 Federal Surplus/Deficit	2827	2039	286	-32	574	1271	1855	1871	1729	3701	2980	3206	2490	2967
1967 Federal Surplus/Deficit	2752	273	67	-772	84	1418	3583	3889	4020	2731	230	3180	2891	3090
1968 Federal Surplus/Deficit	2818	736	563	-238	864	1266	1991	3783	3934	1892	2115	2760	3125	3050
1969 Federal Surplus/Deficit	2827	1873	1892	595	2413	2300	4140	3799	3890	3505	3300	3423	3256	3027
1970 Federal Surplus/Deficit	2477	-49	201	-271	596	317	1043	1105	3845	2954	2471	3144	3443	2512
1971 Federal Surplus/Deficit	2276	-221	61	-742	248	529	3791	4055	4242	3847	3308	3424	2949	3280
1972 Federal Surplus/Deficit	2881	2539	735	-19	529	1363	3520	4111	4304	3742	3224	3312	3038	3209
1973 Federal Surplus/Deficit	2912	3239	1107	-181	693	1764	1078	381	2262	-425	1730	2783	938	1301
1974 Federal Surplus/Deficit	1696	-404	217	-886	-215	2357	4246	3762	3761	3437	3361	3060	3030	3233
1975 Federal Surplus/Deficit	2826	3021	651	-769	399	494	1078	2488	4155	2020	2233	3359	3210	3369
1976 Federal Surplus/Deficit	2696	2017	1121	708	2819	3651	4159	4011	4165	3750	3339	3361	3231	3207
1977 Federal Surplus/Deficit	2945	3202	3122	-139	490	234	-277	420	2041	-498	1108	153	-1438	936
1978 Federal Surplus/Deficit	1874	-28	116	-1095	-324	1490	1240	1267	3876	3640	2826	3194	2379	2917
1979 Federal Surplus/Deficit	2220	380	2044	123	550	70	130	1337	3770	2038	2832	3346	1177	1265
1980 Federal Surplus/Deficit	722	-431	74	-808	441	339	-765	-452	2942	3338	3127	3397	3265	1713
1981 Federal Surplus/Deficit	1123	-376	599	-409	500	3280	3708	3272	3321	734	2649	3188	3094	3115
1982 Federal Surplus/Deficit	2837	2971	476	-311	984	1169	1477	4013	4201	3736	3155	3322	2958	3073
1983 Federal Surplus/Deficit	2862	2920	1824	709	1100	1703	2765	3597	4216	3749	3170	3326	3318	3132
1984 Federal Surplus/Deficit	2866	2432	872	-170	3036	1308	3669	2681	4229	3836	3387	3357	3373	3122
1985 Federal Surplus/Deficit	2726	789	802	-307	953	1146	876	697	3472	3513	3198	3334	2252	-467
1986 Federal Surplus/Deficit	705	-570	-39	-428	1745	269	1598	3565	4265	3761	3327	3106	3195	2763
1987 Federal Surplus/Deficit	2461	98	-19	-913	791	498	-341	176	2766	1381	2550	3224	2056	2245
1988 Federal Surplus/Deficit	734	-542	-24	-1046	275	-33	-611	-143	1715	120	2282	2627	-349	2163
1989 Federal Surplus/Deficit	2090	183	80	-887	-203	170	-703	542	2787	3798	3365	3255	2305	-23
1990 Federal Surplus/Deficit	1073	-45	176	-817	875	2089	1712	3770	3705	2794	3352	3184	3141	2655
1991 Federal Surplus/Deficit	2771	1158	-115	-974	3091	2301	3339	3713	3830	3567	3041	3317	3055	3160
1992 Federal Surplus/Deficit	2867	2308	146	-873	256	26	-41	907	3591	745	1889	2512	-258	1310

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	699	-565	15	-739	204	290	-322	21	1878	1105	741	3311	1312	2275
1994 Federal Surplus/Deficit	2272	590	-157	-912	747	464	-304	641	1925	39	2430	2671	1698	1449
1995 Federal Surplus/Deficit	1078	-240	59	-873	-138	99	-244	2221	4064	3525	2624	3294	3337	2647
1996 Federal Surplus/Deficit	2021	481	595	186	3410	3605	4104	3930	4107	3788	3455	3426	3335	3271
1997 Federal Surplus/Deficit	2868	1986	468	-328	647	2104	4142	3621	3820	3556	3428	3302	3126	3268
1998 Federal Surplus/Deficit	2846	2509	1836	2405	2386	1108	2300	1942	3350	2402	3060	3396	3282	2869

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2576	-283	159	-372	87	241	10	323	520	145	1399	1873	2298	544
1930 Federal Surplus/Deficit	1777	-44	375	-605	-84	242	112	102	689	238	1021	1546	666	1886
1931 Federal Surplus/Deficit	2095	35	182	-968	266	139	-121	109	-1180	15	-1499	3495	252	1723
1932 Federal Surplus/Deficit	990	-755	-266	-917	-428	203	-781	-503	1855	2369	3346	4182	4233	1743
1933 Federal Surplus/Deficit	1940	306	604	-528	-471	1599	2758	3010	3640	3044	2671	3959	4176	3341
1934 Federal Surplus/Deficit	2854	2314	515	183	2860	3923	4256	4218	4159	3634	3265	3868	3464	1943
1935 Federal Surplus/Deficit	491	-342	190	-631	-640	383	1872	3684	2588	3052	2688	3830	2740	2808
1936 Federal Surplus/Deficit	2669	-131	-330	-691	-143	168	-1127	294	1197	1343	3186	4056	4014	1605
1937 Federal Surplus/Deficit	1757	-265	-252	-693	341	216	172	-9.2	248	-414	-1342	3070	1321	-83
1938 Federal Surplus/Deficit	1831	-99	393	-495	-533	999	2734	2127	4041	3597	3410	4074	3766	2478
1939 Federal Surplus/Deficit	1126	-651	533	-364	-168	116	-69	239	1430	3331	3187	3991	1897	1634
1940 Federal Surplus/Deficit	1247	-463	-5.6	-498	321	1015	404	509	3541	3481	3143	3818	2444	1136
1941 Federal Surplus/Deficit	667	-496	148	-502	319	440	-346	245	2566	799	1766	2742	1227	1553
1942 Federal Surplus/Deficit	1785	-124	526	-940	456	1277	2593	-23	1169	1668	2911	3740	4212	2788
1943 Federal Surplus/Deficit	2590	726	832	-490	-600	539	2304	2401	4284	3892	3416	3991	4171	2546
1944 Federal Surplus/Deficit	2093	286	-139	-609	47	193	102	405	1036	-79	1984	1737	-256	599
1945 Federal Surplus/Deficit	1673	-391	300	-866	-361	46	-400	-345	529	-411	-1302	4015	3473	183
1946 Federal Surplus/Deficit	1991	-348	95	-948	-155	1138	833	1257	4271	3804	3458	4017	3957	2655
1947 Federal Surplus/Deficit	2453	588	514	-594	174	3373	3363	4048	4262	3569	3103	4000	4031	2883
1948 Federal Surplus/Deficit	2347	209	366	1981	2034	2173	3951	1525	3886	3190	3334	4245	4168	3171
1949 Federal Surplus/Deficit	2855	2457	697	-143	-0.3	921	328	630	4345	3692	3439	4150	4076	604
1950 Federal Surplus/Deficit	496	-749	-177	-770	-112	483	2650	4041	4369	3905	3333	4041	4038	2952
1951 Federal Surplus/Deficit	2844	1875	538	459	2415	3604	4289	4409	4323	3813	3380	4012	3735	3172
1952 Federal Surplus/Deficit	2833	822	578	1241	1097	2201	3621	3350	3243	3910	3473	4152	4250	2628
1953 Federal Surplus/Deficit	2440	-125	-214	-676	-254	183	-523	3222	3349	2492	2811	4060	4265	3101
1954 Federal Surplus/Deficit	2471	941	310	-152	257	1637	1661	4237	4218	3511	3106	4040	3995	3253
1955 Federal Surplus/Deficit	2887	3017	2518	-120	1322	1648	-1.7	1019	1066	943	2507	3891	4134	3355
1956 Federal Surplus/Deficit	2866	1788	-13	-8.9	1777	3498	4273	4040	3856	3351	3388	4091	4048	3253
1957 Federal Surplus/Deficit	2599	995	345	48	-15	1732	1358	9.9	4146	3910	3114	4210	4117	2287
1958 Federal Surplus/Deficit	1835	-523	286	-548	135	332	713	2549	4070	3582	3194	4242	4275	2198
1959 Federal Surplus/Deficit	1684	-50	274	-516	876	2906	4164	4177	3974	3666	3129	3898	4056	2785
1960 Federal Surplus/Deficit	2855	1209	2809	2706	2909	3035	3417	2851	2715	3816	3269	4033	4057	2683
1961 Federal Surplus/Deficit	2572	-142	14	-305	35	941	1538	3552	4317	3465	2690	4006	4098	2511
1962 Federal Surplus/Deficit	1545	266	15	-920	28	743	2543	2048	1318	3787	3397	4018	4134	867
1963 Federal Surplus/Deficit	1821	449	-125	197	1296	2731	2629	3191	2934	1956	2631	3975	3555	2728
1964 Federal Surplus/Deficit	2579	380	475	-691	-73	993	1324	1343	1214	3086	2761	3948	4131	3353
1965 Federal Surplus/Deficit	2846	1253	1043	513	855	3548	4288	4105	3970	3280	3382	3965	4049	2758
1966 Federal Surplus/Deficit	2833	1814	189	-2.6	257	1273	2233	2066	665	3757	3001	3935	3340	2874
1967 Federal Surplus/Deficit	2719	88	-29	-754	-222	1418	3758	4149	4052	2780	283	3911	3998	3103
1968 Federal Surplus/Deficit	2807	532	462	-197	539	1271	2356	3954	3823	1946	2165	3562	3934	3038
1969 Federal Surplus/Deficit	2819	1648	1783	571	2005	2275	4212	4059	3726	3525	3287	4101	4077	2990
1970 Federal Surplus/Deficit	2404	-223	103	-230	280	361	1451	1325	3630	3002	2512	3864	4310	2224
1971 Federal Surplus/Deficit	2175	-378	-34	-724	-58	564	3943	4315	4316	3870	3300	4111	4080	3335
1972 Federal Surplus/Deficit	2887	2321	631	16	217	1367	3719	4371	4343	3762	3225	4042	4133	3305
1973 Federal Surplus/Deficit	2914	3051	1001	-141	374	1755	1486	628	1321	-440	1782	3583	1822	887
1974 Federal Surplus/Deficit	1550	-547	120	-885	-537	2331	4288	4021	3781	3457	3377	3791	4142	3339
1975 Federal Surplus/Deficit	2834	2831	548	-776	90	532	1486	2669	4165	2074	2280	4035	4251	3440
1976 Federal Surplus/Deficit	2651	1792	1015	682	2390	3995	4235	4225	4300	3772	3332	4043	4059	3265
1977 Federal Surplus/Deficit	2925	3013	3032	-101	177	276	86	663	1057	-516	1164	726	-576	514
1978 Federal Surplus/Deficit	1740	-199	20	-1174	-645	1488	1642	1479	3751	3663	2847	3871	3230	2807
1979 Federal Surplus/Deficit	2123	185	1935	145	236	129	519	1550	3415	2092	2863	4022	2060	849
1980 Federal Surplus/Deficit	532	-577	-23	-800	129	381	-500	-169	2213	3375	3132	4201	4157	1320
1981 Federal Surplus/Deficit	948	-526	496	-368	188	3232	3836	3441	2765	772	2682	3893	4135	3160
1982 Federal Surplus/Deficit	2845	2773	375	-270	651	1178	1873	4273	4248	3763	3162	4002	4063	3082
1983 Federal Surplus/Deficit	2871	2718	1715	682	764	1696	3064	3766	4337	3776	3176	4000	4187	3169
1984 Federal Surplus/Deficit	2872	2212	768	-130	2600	1313	3842	2858	4337	3858	3382	4042	4370	3165
1985 Federal Surplus/Deficit	2691	584	698	-266	625	1156	1284	931	3011	3546	3195	4009	3111	-853
1986 Federal Surplus/Deficit	509	-704	-133	-390	1374	314	1989	3734	4405	3784	3319	3845	4005	2561
1987 Federal Surplus/Deficit	2383	-79	-114	-934	469	531	-2.5	432	1948	1432	2589	3954	2919	1914
1988 Federal Surplus/Deficit	544	-677	-119	-1091	-35	27	-307	158	663	135	2331	3439	598	1807
1989 Federal Surplus/Deficit	1984	12	-11	-909	-521	216	-426	776	1913	3822	3332	3949	3162	-432
1990 Federal Surplus/Deficit	896	-215	78	-821	546	2066	2093	3968	3371	2843	3297	3887	4187	2412
1991 Federal Surplus/Deficit	2766	942	-209	-1049	2651	2273	3547	3973	3614	3597	3047	3996	3875	3218
1992 Federal Surplus/Deficit	2873	2086	49	-899	-52	84	340	1132	3208	784	1940	3322	636	897

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	503	-699	-80	-712	-103	335	26	281	823	1148	796	4014	2194	1943
1994 Federal Surplus/Deficit	2174	391	-250	-958	423	496	45	876	904	47	2472	3477	2569	1042
1995 Federal Surplus/Deficit	901	-397	-36	-873	-448	153	102	2409	4066	3558	2661	3979	4226	2397
1996 Federal Surplus/Deficit	1898	286	492	207	2983	3884	4154	4190	4127	3814	3408	4116	4254	3324
1997 Federal Surplus/Deficit	2875	1762	367	-288	331	2085	4193	3880	3840	3576	3382	3978	4072	3376
1998 Federal Surplus/Deficit	2846	2291	1727	2230	1978	1117	2642	2135	2774	2455	3076	4106	4273	2719

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Monthly Federal System 70-Water Year Surplus/Deficit 120-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1581	-1371	-1084	-943	-685	-1272	-1078	-1168	-225	-1869	-1195	-932	1248	1115
1930 Federal Surplus/Deficit	-107	-1761	-1257	-579	-561	-1175	-958	-1272	-726	-1510	59	-1503	-451	853
1931 Federal Surplus/Deficit	-956	-1543	-1500	-864	-315	-1053	-1107	-1101	-1069	-800	-3417	-290	-597	1294
1932 Federal Surplus/Deficit	723	-1012	-852	-1445	-1051	-1283	-1825	-1513	65	957	2507	3522	3662	2104
1933 Federal Surplus/Deficit	-83	-594	-705	-656	-1239	-192	2614	1447	-560	780	510	2922	3513	3566
1934 Federal Surplus/Deficit	2912	1545	-337	-72	1291	3340	3210	3101	2599	3005	2704	2975	2930	2181
1935 Federal Surplus/Deficit	-787	-1667	-1052	-902	-1295	-999	2110	2489	-955	-345	234	2571	1883	3020
1936 Federal Surplus/Deficit	2226	-959	-1395	-788	-751	-1330	-2246	-562	-611	-850	1870	3072	3571	1613
1937 Federal Surplus/Deficit	622	-1040	-1627	-671	-252	-1251	-911	-1455	-977	-2340	-3315	471	-368	175
1938 Federal Surplus/Deficit	864	-752	-1083	-773	-1020	-416	2157	496	1669	1770	2699	3506	3099	2628
1939 Federal Surplus/Deficit	-232	-1589	-612	-557	-762	-1406	-872	-1203	366	97	1635	3132	1145	1075
1940 Federal Surplus/Deficit	-885	-1924	-1716	-510	-290	-59	-1090	-690	2036	1676	1641	2197	2283	-41
1941 Federal Surplus/Deficit	-1258	-1882	-1121	-752	-405	-680	-1364	-1015	962	-1094	-1230	243	-138	1013
1942 Federal Surplus/Deficit	354	-776	-317	-1372	-372	109	388	637	-816	-888	543	2145	3472	3434
1943 Federal Surplus/Deficit	2261	257	-855	-573	-1263	-894	1565	2012	2144	3397	2784	3342	3568	3345
1944 Federal Surplus/Deficit	1527	-1292	-2064	-873	-699	-1351	-1011	-1023	-584	-1842	-1001	-1268	-1351	-43
1945 Federal Surplus/Deficit	220	-1153	-672	-1357	-1014	-1329	-1497	-1347	-964	-2336	-3273	2475	2548	731
1946 Federal Surplus/Deficit	188	-1397	-1475	-1111	-417	-219	921	-159	2493	2478	2784	3424	3066	3303
1947 Federal Surplus/Deficit	1588	-725	-766	-962	-523	2442	2575	2432	2726	1736	1378	3214	3640	3406
1948 Federal Surplus/Deficit	1244	-1151	-938	1352	1414	856	3445	539	1513	875	2260	3569	3403	3872
1949 Federal Surplus/Deficit	2758	1599	-450	-413	-669	-481	-938	1051	2794	2085	2736	3516	3492	351
1950 Federal Surplus/Deficit	-505	-2052	-1977	-830	-918	-651	1747	2531	3206	2654	1862	3236	3330	3670
1951 Federal Surplus/Deficit	1966	351	-725	164	729	2813	3594	3284	3252	3195	2716	3417	3106	3785
1952 Federal Surplus/Deficit	2625	-615	-995	801	255	892	3195	1455	400	2964	2750	3541	3757	2944
1953 Federal Surplus/Deficit	1489	-914	-1535	-763	-816	-1277	-458	2414	780	-1599	319	3248	3856	3863
1954 Federal Surplus/Deficit	1749	-680	-936	-417	-435	248	1572	2948	1153	1571	1034	3421	3246	3443
1955 Federal Surplus/Deficit	3428	3398	1361	-389	365	284	-543	-815	-167	-1039	-356	2051	3689	3515
1956 Federal Surplus/Deficit	2933	1134	-1221	-252	874	2642	3750	2790	3047	2719	2420	3441	3340	3842
1957 Federal Surplus/Deficit	1873	120	-805	-209	-882	46	549	313	2161	2097	1476	3476	3553	2198
1958 Federal Surplus/Deficit	312	-1590	-1105	-752	-478	-927	341	2167	1471	1128	1976	3513	3855	2099
1959 Federal Surplus/Deficit	320	-984	-1237	-476	2.0	1815	3594	3033	939	2411	1220	3163	3379	2769
1960 Federal Surplus/Deficit	2167	-91	1686	2017	2382	2217	2450	1220	1845	3073	2064	2892	3750	2877
1961 Federal Surplus/Deficit	912	-1355	-864	-601	-833	-795	1855	1353	2282	2385	191	3349	3385	2589
1962 Federal Surplus/Deficit	1092	-225	-1441	-1179	-535	-304	1119	1250	17	1499	2873	3189	3829	1430
1963 Federal Surplus/Deficit	542	-923	-1477	80	240	1570	1768	1900	-635	68	144	2742	3556	3140
1964 Federal Surplus/Deficit	1981	-568	-890	-1070	-700	-354	99	1069	-715	349	-1343	2945	3831	3775
1965 Federal Surplus/Deficit	2927	147	-70	267	136	2696	3796	3455	2995	1588	2808	3384	3862	2772
1966 Federal Surplus/Deficit	2333	1090	-686	-269	-706	-463	1462	287	-951	2899	957	2607	2645	3148
1967 Federal Surplus/Deficit	1850	-879	-1387	-934	-894	-265	3418	3072	780	419	-2096	2725	3281	3902
1968 Federal Surplus/Deficit	2535	-273	-730	-478	-732	-257	2127	2096	1647	-1514	-650	1887	3488	3781
1969 Federal Surplus/Deficit	2446	853	595	316	1030	973	3695	3007	1692	3160	2690	3500	3539	3617
1970 Federal Surplus/Deficit	1147	-1492	-1193	-374	-434	-1031	-406	1832	1299	408	-306	2556	3999	2524
1971 Federal Surplus/Deficit	224	-1570	-1509	-806	-612	-542	3484	3533	3009	2591	2239	3486	3550	3797
1972 Federal Surplus/Deficit	3129	1530	-520	-242	-591	-51	3416	3318	3488	2846	1641	3489	3420	3497
1973 Federal Surplus/Deficit	3409	2697	-367	-413	-536	392	349	-759	-330	-2452	-1292	1569	509	1025
1974 Federal Surplus/Deficit	-989	-1985	-1730	-884	-1223	1671	3529	3240	3494	3008	2698	3350	3413	3551
1975 Federal Surplus/Deficit	2800	1656	-772	-1207	-717	-992	1034	1159	2189	-824	-2.5	3375	3691	3844
1976 Federal Surplus/Deficit	1236	181	-370	435	1180	3547	3564	3289	2128	3191	2435	3457	3679	3737
1977 Federal Surplus/Deficit	3451	3462	2500	-368	-543	-1230	-1017	-725	-504	-2448	-2180	-2086	-2081	101
1978 Federal Surplus/Deficit	581	-671	-886	-1904	-1300	341	827	654	1262	2453	885	3047	2724	3101
1979 Federal Surplus/Deficit	1081	-552	681	-107	-391	-1107	-648	912	2024	223	-489	3059	293	469
1980 Federal Surplus/Deficit	-1159	-1904	-1705	-820	-452	-228	-1784	187	-405	-150	1621	3473	3418	1879
1981 Federal Surplus/Deficit	-8.0	-1542	-911	-663	-309	2318	3502	998	1460	-1329	-20	2370	3672	3935
1982 Federal Surplus/Deficit	3133	2278	-910	-551	-154	-266	2236	3523	3457	2470	1495	3442	3360	3573
1983 Federal Surplus/Deficit	3033	1050	524	436	66	346	2832	1700	3535	2235	1808	3171	3366	3872
1984 Federal Surplus/Deficit	2960	1008	-367	-404	1634	-114	3578	586	3280	2988	2452	2743	4044	3838
1985 Federal Surplus/Deficit	2078	-987	-505	-562	-46	-285	827	-1148	1492	2247	1898	3167	1277	-9.3
1986 Federal Surplus/Deficit	-1659	-2004	-1395	-516	665	-1122	1748	2481	3424	3160	1864	2275	2950	2591
1987 Federal Surplus/Deficit	1255	-1283	-1586	-1079	-157	-905	-1016	-542	565	628	-173	2005	2318	1081
1988 Federal Surplus/Deficit	-790	-2010	-1839	-1049	-611	-1488	-1360	-1340	-962	-1596	-617	1154	-1364	1706
1989 Federal Surplus/Deficit	629	-973	-1253	-1330	-1168	-900	-1514	-237	1077	2318	2256	2948	1882	638
1990 Federal Surplus/Deficit	-1667	-1865	-1468	-917	-385	756	2391	1692	1130	2145	2686	2663	3713	2482
1991 Federal Surplus/Deficit	1673	-69	-1628	-1302	952	1079	3255	2945	138	1619	760	3278	3211	3699
1992 Federal Surplus/Deficit	3004	804	-1307	-1005	-1005	-1462	-823	-1340	1595	-889	-1041	822	-93	640

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-1413	-1789	-2032	-1003	-661	-1141	-960	-1055	-271	-513	-1418	2827	819	1896
1994 Federal Surplus/Deficit	839	-608	-2049	-1070	-204	-636	-1082	-495	-684	-1688	1023	1270	402	1143
1995 Federal Surplus/Deficit	-1039	-1889	-1861	-1131	-1004	-854	-233	1817	2516	1475	-661	2675	2864	2963
1996 Federal Surplus/Deficit	706	-927	-994	-74	2250	3515	3583	3113	3335	2671	2706	3514	3952	3869
1997 Federal Surplus/Deficit	2898	9.2	-901	-579	-704	817	3449	3389	3464	2610	2697	3399	3562	3754
1998 Federal Surplus/Deficit	2759	887	626	1976	578	-371	1881	1505	1612	608	-73	2878	3826	3001

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1503	-1475	-119	238	694	-19	278	609	531	-92	623	1649	2300	674
1930 Federal Surplus/Deficit	-168	-1860	-286	-52	534	-32	377	374	675	6.5	334	1368	501	1772
1931 Federal Surplus/Deficit	-1034	-1645	-523	-502	826	-130	150	387	489	-229	-1088	3409	69	1588
1932 Federal Surplus/Deficit	661	-1119	100	-417	198	-59	-460	-316	1792	2030	3790	4941	3163	1598
1933 Federal Surplus/Deficit	-143	-702	240	45	134	1608	3275	3517	3423	2695	2089	4476	3039	3395
1934 Federal Surplus/Deficit	2780	1451	602	857	3221	4012	4754	4776	3957	3212	3504	4730	3654	1866
1935 Federal Surplus/Deficit	-859	-1768	-88	-37	-92	142	2218	4329	2444	2708	2140	4223	2841	3175
1936 Federal Surplus/Deficit	2120	-1066	-427	-157	479	-99	-749	580	1167	1081	3827	4939	3617	1441
1937 Federal Surplus/Deficit	561	-1147	-647	-178	898	-34	435	264	575	-738	-931	2805	1189	666
1938 Federal Surplus/Deficit	801	-860	-120	86	56	895	3239	2530	3884	3465	3844	4913	3671	2563
1939 Federal Surplus/Deficit	-294	-1691	334	247	461	-213	203	521	1392	3010	3289	4868	1845	1473
1940 Federal Surplus/Deficit	-960	-2020	-731	108	871	933	667	800	3326	3268	3336	4115	2492	937
1941 Federal Surplus/Deficit	-1346	-1979	-158	108	872	232	-59	528	2418	567	949	2465	1108	1391
1942 Federal Surplus/Deficit	295	-884	618	-466	994	1224	3074	250	1138	1381	2688	4018	3658	3118
1943 Federal Surplus/Deficit	2155	152	96	103	-36	332	2731	2826	4305	3327	3308	4837	3647	2660
1944 Federal Surplus/Deficit	1451	-1396	-1055	-76	660	-90	368	694	1011	-324	1173	1529	-452	665
1945 Federal Surplus/Deficit	161	-1259	278	-371	268	-267	-107	-159	588	-734	-892	4412	3775	676
1946 Federal Surplus/Deficit	129	-1501	-501	-563	474	1052	1099	1591	4455	3622	3762	4775	3390	2876
1947 Federal Surplus/Deficit	1511	-833	186	-53	775	3737	4039	4772	4168	3329	3011	4829	3586	3307
1948 Federal Surplus/Deficit	1174	-1256	20	2596	2267	2284	4851	1872	3688	2862	3829	4930	2907	3880
1949 Federal Surplus/Deficit	2633	1507	491	504	618	798	590	926	4469	3533	3776	4991	3397	670
1950 Federal Surplus/Deficit	-572	-2206	-969	-284	514	276	3122	4750	4064	3184	3436	4876	2756	3375
1951 Federal Surplus/Deficit	1876	246	226	1137	2637	4027	5134	4669	4159	3534	3744	4846	3588	3694
1952 Federal Surplus/Deficit	2507	-723	-33	1922	1512	2309	4388	3899	3047	3656	3827	4882	3845	2793
1953 Federal Surplus/Deficit	1415	-1021	-556	-158	376	-93	-212	3746	3141	2139	2370	4931	3341	3718
1954 Federal Surplus/Deficit	1665	-788	24	495	842	1639	1975	5010	4187	3216	2986	4915	2825	3151
1955 Federal Surplus/Deficit	3283	3131	2265	529	1683	1668	269	1340	1043	709	1825	4150	2900	3421
1956 Federal Surplus/Deficit	2801	1035	-252	651	2068	3897	5043	5174	4324	3358	3273	4777	3461	3784
1957 Federal Surplus/Deficit	1786	14	149	713	606	1750	1660	280	4006	3341	3140	4902	3743	2290
1958 Federal Surplus/Deficit	253	-1692	-139	17	736	62	976	2992	3967	3386	3598	4959	3589	2168
1959 Federal Surplus/Deficit	261	-1091	-268	61	1337	3163	5075	4987	3800	3217	3020	4728	3158	3091
1960 Federal Surplus/Deficit	2075	-198	2599	3325	3305	3338	4137	3328	2573	2893	3707	4691	3686	2907
1961 Federal Surplus/Deficit	849	-1459	90	320	648	833	1851	4130	4153	3259	2162	4874	3125	2642
1962 Federal Surplus/Deficit	1026	-333	-465	-503	638	587	3010	2444	1283	3206	3546	4922	3617	673
1963 Federal Surplus/Deficit	482	-1030	-503	871	1666	2948	3129	3718	2756	1647	2002	4417	3880	3000
1964 Federal Surplus/Deficit	1890	-675	67	-180	551	894	1612	1683	1185	2733	2165	4738	3363	3673
1965 Federal Surplus/Deficit	2793	41	860	1189	1322	3959	5122	4948	4324	2954	3704	4841	4018	3032
1966 Federal Surplus/Deficit	2227	991	266	666	833	1237	2615	2461	651	3002	2696	4424	3584	3258
1967 Federal Surplus/Deficit	1764	-986	-414	-222	407	1388	4563	5029	4088	2419	-144	4581	3230	3821
1968 Federal Surplus/Deficit	2421	-381	219	442	1075	1220	2786	4635	3621	1630	1361	3498	3491	3704
1969 Federal Surplus/Deficit	2336	753	1504	1243	2238	2384	5299	5163	3512	3517	3354	4867	3557	3511
1970 Federal Surplus/Deficit	1079	-1596	-229	404	858	107	1766	1661	3413	2642	1804	4384	3803	2194
1971 Federal Surplus/Deficit	165	-1672	-531	-192	567	357	4811	4906	4360	3408	3734	4825	3602	3876
1972 Federal Surplus/Deficit	2987	1436	422	676	812	1322	4473	5090	3746	2882	3504	4810	2867	3359
1973 Federal Surplus/Deficit	3259	2615	574	504	939	1777	1785	926	1283	-731	965	3539	1769	687
1974 Federal Surplus/Deficit	-1067	-2172	-742	-398	38	2477	4912	4761	4137	3566	3433	4815	2800	3391
1975 Federal Surplus/Deficit	2671	1565	177	-310	699	313	1784	3117	4026	1760	1500	4928	3779	3887
1976 Federal Surplus/Deficit	1167	75	570	1355	2613	4175	5197	5135	4378	3544	3884	4850	3650	3685
1977 Federal Surplus/Deficit	3309	3127	3449	551	769	36	351	966	1030	-839	447	656	-782	603
1978 Federal Surplus/Deficit	521	-778	72	-855	-97	1505	1963	1831	3544	3225	2539	4780	3475	3144
1979 Federal Surplus/Deficit	1013	-660	1581	819	821	-207	781	1900	3207	1776	2357	4879	2027	675
1980 Federal Surplus/Deficit	-1242	-2001	-721	-296	726	139	-194	97	2105	3094	3295	4873	3746	1130
1981 Federal Surplus/Deficit	-68	-1644	44	253	779	3552	4767	4022	2602	543	2116	4515	3115	3924
1982 Federal Surplus/Deficit	2989	2193	47	359	1154	1106	2227	5008	4003	3685	3242	4892	3264	3717
1983 Federal Surplus/Deficit	2895	951	1431	1354	1252	1722	3628	4389	4326	3506	3301	4901	3834	3888
1984 Federal Surplus/Deficit	2826	908	573	518	2829	1259	4675	3344	4364	3794	4294	4811	3527	3905
1985 Federal Surplus/Deficit	1984	-1094	441	359	1145	1082	1575	1247	2823	3393	3624	4897	3298	674
1986 Federal Surplus/Deficit	-1758	-2286	-419	216	1725	56	2341	4379	4012	3486	3943	4245	4087	2698
1987 Federal Surplus/Deficit	1185	-1388	-607	-498	1020	336	270	721	1870	1164	1920	4406	3074	1809
1988 Federal Surplus/Deficit	-863	-2148	-850	-704	572	-331	-20	315	655	-118	1565	3274	279	1704
1989 Federal Surplus/Deficit	569	-1080	-286	-460	73	-54	-104	1095	1940	3361	3788	4711	3362	659
1990 Federal Surplus/Deficit	-1766	-1962	-492	-347	1060	2161	2468	4685	3160	2482	3610	4601	3119	2468
1991 Federal Surplus/Deficit	1591	-176	-647	-723	2901	2407	4284	4811	3396	3174	3149	4871	3519	3590
1992 Federal Surplus/Deficit	2868	703	-337	-475	566	-250	602	1460	3004	554	1125	3138	467	697

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-1506	-1888	-1023	-156	520	77	295	565	808	910	226	4654	2172	1837
1994 Federal Surplus/Deficit	776	-716	-1047	-575	965	305	314	1189	885	-196	1760	3369	2643	842
1995 Federal Surplus/Deficit	-1118	-1986	-869	-389	170	-159	372	2845	3939	3350	2031	4749	3845	2440
1996 Federal Surplus/Deficit	644	-1035	-37	882	3456	4244	5008	4615	3926	3151	3217	4956	3572	3888
1997 Federal Surplus/Deficit	2768	-97	56	332	909	2190	5111	5119	4167	3338	3145	4764	3099	3584
1998 Federal Surplus/Deficit	2635	786	1533	2833	2225	1043	3125	2536	2617	2106	2907	4961	3457	2967

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2223	-867	298	248	771	45	144	282	378	-248	608	700	1230	128
1930 Federal Surplus/Deficit	1129	-554	531	-49	606	31	242	52	550	-152	317	393	-560	1502
1931 Federal Surplus/Deficit	1477	-449	330	-510	917	-67	17	63	-1502	-384	-1171	2459	-1004	1327
1932 Federal Surplus/Deficit	453	-1591	-177	-420	249	4.1	-589	-604	1685	1905	3713	3798	2928	1342
1933 Federal Surplus/Deficit	1309	-96	764	51	174	1673	3119	3183	3310	2595	2038	3314	2748	3155
1934 Federal Surplus/Deficit	3213	2182	677	873	3246	4346	4854	4781	3918	3346	3460	3502	2634	1580
1935 Federal Surplus/Deficit	124	-944	333	-29	-81	206	2077	3990	2344	2609	2084	3100	1745	2711
1936 Federal Surplus/Deficit	2708	-626	-238	-157	548	-35	-871	252	1052	930	3629	3783	3067	1193
1937 Federal Surplus/Deficit	1109	-832	-165	-180	989	29	299	-59	97	-856	-1014	1905	135	-459
1938 Federal Surplus/Deficit	1184	-623	551	93	90	961	3083	2194	3746	3348	3768	3774	2972	2210
1939 Federal Surplus/Deficit	556	-1375	695	258	523	-152	70	195	1280	2913	3155	3601	785	1224
1940 Federal Surplus/Deficit	657	-1125	119	117	963	999	531	471	3218	3168	3190	3041	1410	707
1941 Federal Surplus/Deficit	239	-1159	294	118	964	296	-191	202	2318	408	932	1567	54	1143
1942 Federal Surplus/Deficit	1137	-648	688	-473	1089	1290	2929	-72	1023	1237	2594	2950	3214	2669
1943 Federal Surplus/Deficit	2362	398	985	111	-8.8	396	2577	2490	4129	3473	3321	3705	2781	2296
1944 Federal Surplus/Deficit	1479	-139	-30	-75	735	-27	233	366	894	-479	1153	571	-1549	181
1945 Federal Surplus/Deficit	1027	-1013	451	-375	323	-205	-239	-447	386	-853	-975	3307	2619	-212
1946 Federal Surplus/Deficit	1356	-951	239	-582	536	1118	962	1256	4255	3732	3697	3691	2889	2477
1947 Federal Surplus/Deficit	1992	220	675	-52	854	3770	3877	4433	4115	3231	2901	3610	3035	2823
1948 Federal Surplus/Deficit	1818	-234	524	2596	2376	2346	4679	1536	3565	2764	3605	3860	2758	3322
1949 Federal Surplus/Deficit	3279	2344	858	518	690	864	454	596	4385	3463	3720	3830	3042	185
1950 Federal Surplus/Deficit	128	-1585	-88	-289	580	340	2977	4411	4038	3339	3430	3609	2655	2892
1951 Federal Surplus/Deficit	3128	1688	700	1154	2723	4054	5167	4750	4120	3547	3680	3691	2934	3334
1952 Federal Surplus/Deficit	3048	497	740	1923	1622	2372	4223	3557	2945	3633	3763	3814	3324	2408
1953 Federal Surplus/Deficit	1956	-668	-125	-159	435	-30	-342	3403	3037	2022	2302	3663	2962	3166
1954 Federal Surplus/Deficit	2038	637	462	509	927	1705	1835	4670	4099	3120	2879	3698	2511	2982
1955 Federal Surplus/Deficit	3611	3453	2715	544	1796	1733	135	1006	925	550	1787	3088	2663	3169
1956 Federal Surplus/Deficit	3174	1589	104	666	2178	3926	5092	5002	4176	3496	3021	3735	2515	3328
1957 Federal Surplus/Deficit	2267	698	501	729	676	1815	1520	-42	3861	3487	3015	3846	2790	1970
1958 Federal Surplus/Deficit	1189	-1208	435	21	815	125	840	2646	3814	3285	3422	3907	3208	1862
1959 Federal Surplus/Deficit	1037	-559	426	67	1443	3208	5038	4642	3669	3360	2909	3389	2650	2651
1960 Federal Surplus/Deficit	3277	944	3150	3344	3319	3381	3974	2994	2473	3058	3443	3462	3097	2499
1961 Federal Surplus/Deficit	2218	-674	144	332	722	899	1710	3789	4111	3160	2107	3703	2733	2271
1962 Federal Surplus/Deficit	909	-160	140	-518	714	653	2865	2108	1170	3261	3514	3655	3185	441
1963 Federal Surplus/Deficit	1175	64	-11	887	1779	2996	2983	3376	2656	1511	1957	3298	2717	2573
1964 Federal Surplus/Deficit	2235	-22	636	-182	619	960	1473	1347	1070	2631	2115	3509	3080	3327
1965 Federal Surplus/Deficit	3236	992	1189	1205	1427	3987	5153	4875	4186	2856	3636	3699	3270	2604
1966 Federal Surplus/Deficit	3218	1618	329	682	920	1303	2472	2125	525	3038	2612	3279	2452	2785
1967 Federal Surplus/Deficit	2543	-384	91	-222	468	1454	4396	4683	3917	2311	-174	3370	2554	3188
1968 Federal Surplus/Deficit	2867	160	623	456	1170	1286	2641	4296	3499	1496	1339	2542	2951	3077
1969 Federal Surplus/Deficit	2936	1434	1918	1259	2348	2447	5111	5048	3396	3609	3338	3786	3043	2987
1970 Federal Surplus/Deficit	1929	-751	248	417	945	171	1627	1326	3301	2537	1769	3241	3343	1888
1971 Federal Surplus/Deficit	1580	-1000	84	-192	634	422	4641	4909	4199	3545	3527	3767	2907	3348
1972 Federal Surplus/Deficit	3554	2186	793	692	893	1388	4309	5069	3620	3048	3363	3755	2720	3119
1973 Federal Surplus/Deficit	3622	3248	1154	518	1028	1842	1645	596	1171	-873	948	2576	709	460
1974 Federal Surplus/Deficit	914	-1249	254	-404	69	2528	4992	4794	4102	3589	3418	3752	2687	3147
1975 Federal Surplus/Deficit	3388	2805	710	-318	775	377	1644	2781	3887	1625	1475	3674	2968	3479
1976 Federal Surplus/Deficit	2362	1594	1165	1371	2699	4489	5121	4688	4287	3435	3787	3756	3043	3271
1977 Federal Surplus/Deficit	3637	3450	3559	566	852	100	216	635	914	-958	432	-343	-1878	97
1978 Federal Surplus/Deficit	1092	-746	140	-881	-85	1560	1823	1495	3424	3360	2455	3491	2336	2692
1979 Federal Surplus/Deficit	1540	-234	2075	836	905	-146	645	1564	3102	1642	2297	3659	963	423
1980 Federal Surplus/Deficit	147	-1269	101	-299	807	203	-324	-223	2003	2997	3152	3784	3251	895
1981 Federal Surplus/Deficit	423	-1193	658	265	861	3594	4588	3681	2502	383	2063	3343	2852	3318
1982 Federal Surplus/Deficit	3416	2722	534	371	1254	1172	2085	4814	3980	3644	3110	3732	2787	3160
1983 Federal Surplus/Deficit	3389	2652	1854	1369	1355	1787	3470	4050	4135	3630	3163	3669	3358	3306
1984 Federal Surplus/Deficit	3266	2061	929	532	2901	1325	4500	2999	4187	3677	4022	3602	3190	3316
1985 Federal Surplus/Deficit	2487	218	860	371	1242	1148	1435	914	2722	3264	3445	3713	2177	-1158
1986 Federal Surplus/Deficit	141	-1540	-44	225	1838	119	2199	4029	3996	3609	3836	3139	3291	2324
1987 Federal Surplus/Deficit	1882	-590	-3.7	-510	1113	401	137	393	1766	1014	1880	3284	1963	1535
1988 Federal Surplus/Deficit	156	-1432	-11	-723	649	-260	-152	-8.4	530	-274	1536	2345	-792	1439
1989 Federal Surplus/Deficit	1369	-454	137	-472	109	9.5	-236	762	1835	3499	3704	3460	2237	-777
1990 Federal Surplus/Deficit	390	-768	216	-354	1159	2224	2325	4346	3054	2376	3555	3354	2886	2127
1991 Federal Surplus/Deficit	2924	643	-118	-750	2961	2468	4120	4472	3284	3317	3015	3605	2982	3235
1992 Federal Surplus/Deficit	3319	1925	183	-489	638	-189	466	1125	2901	394	1107	2219	-596	469

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	135	-1457	34	-152	589	141	161	239	684	752	204	3477	1107	1564
1994 Federal Surplus/Deficit	1587	-5.1	-161	-594	1059	370	180	856	765	-351	1725	2427	1555	613
1995 Federal Surplus/Deficit	394	-1022	75	-395	216	-96	238	2499	3791	3250	1986	3541	3367	2104
1996 Federal Surplus/Deficit	1256	-132	654	898	3451	4497	5064	4700	3906	3302	3243	3826	3186	3446
1997 Federal Surplus/Deficit	3269	1559	525	343	995	2243	5154	4883	4048	3238	3178	3693	2868	3265
1998 Federal Surplus/Deficit	3080	2153	1866	2835	2334	1109	2969	2199	2517	1986	2806	3859	3107	2550

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	2008	-1029	112	54	580	-147	-26	110	172	-380	518	1438	1941	-164
1930 Federal Surplus/Deficit	990	-723	353	-250	414	-163	70	-124	349	-285	223	1123	154	1287
1931 Federal Surplus/Deficit	1340	-620	147	-722	725	-260	-153	-112	-1730	-514	-1294	3171	-293	1106
1932 Federal Surplus/Deficit	235	-1725	-376	-629	47	-188	-754	-742	1520	1779	3544	4291	3117	1117
1933 Federal Surplus/Deficit	1174	-274	598	-148	-37	1496	2924	3023	3197	2477	1934	3916	2897	3123
1934 Federal Surplus/Deficit	2701	1962	504	692	3042	4314	4685	4736	4005	3112	3517	4027	3243	1484
1935 Federal Surplus/Deficit	-172	-1105	148	-225	-283	17	1897	3816	2206	2491	1979	3723	2448	2555
1936 Federal Surplus/Deficit	2347	-796	-436	-361	355	-228	-1035	80	869	794	3458	4332	3473	960
1937 Federal Surplus/Deficit	970	-996	-364	-387	797	-161	127	-234	-121	-963	-1137	2650	851	-781
1938 Federal Surplus/Deficit	1047	-791	374	-105	-127	785	2889	2035	3625	3196	3764	4292	3518	2034
1939 Federal Surplus/Deficit	357	-1523	524	64	328	-355	-100	21	1102	2795	3015	4151	1500	992
1940 Federal Surplus/Deficit	470	-1279	-71	-77	771	824	358	300	3102	3047	3045	3683	2118	446
1941 Federal Surplus/Deficit	-37	-1313	110	-76	771	112	-359	29	2181	271	843	2314	770	910
1942 Federal Surplus/Deficit	998	-815	518	-684	896	1115	2737	-248	841	1104	2471	3596	3481	2520
1943 Federal Surplus/Deficit	2103	213	823	-86	-232	212	2385	2325	4001	3233	3424	4225	3024	2124
1944 Federal Surplus/Deficit	1341	-315	-224	-280	543	-222	62	195	706	-609	1063	1306	-846	-108
1945 Federal Surplus/Deficit	882	-1172	270	-584	124	-405	-406	-585	178	-959	-1098	3932	3296	-522
1946 Federal Surplus/Deficit	1221	-1111	54	-803	340	943	788	1091	4117	3493	3734	4203	3295	2316
1947 Federal Surplus/Deficit	1813	39	502	-256	663	3531	3679	4252	4088	3100	2763	4165	3429	2681
1948 Federal Surplus/Deficit	1660	-409	346	2398	2158	2160	4473	1373	3453	2646	3593	4353	2913	3175
1949 Federal Surplus/Deficit	2761	2118	691	331	498	687	282	426	4260	3310	3705	4331	3302	-104
1950 Federal Surplus/Deficit	-168	-1719	-290	-499	386	156	2791	4231	4151	3097	3499	4148	2789	2750
1951 Federal Surplus/Deficit	2669	1483	528	976	2496	3806	5040	4859	4221	3420	3716	4209	3296	3189
1952 Federal Surplus/Deficit	2618	312	568	1729	1419	2183	4023	3388	2822	3425	3800	4307	3660	2242
1953 Federal Surplus/Deficit	1784	-834	-327	-366	238	-225	-508	3235	2917	1898	2191	4213	3152	3034
1954 Federal Surplus/Deficit	1849	450	282	322	735	1528	1657	4479	3950	3001	2751	4223	2641	2960
1955 Federal Surplus/Deficit	2927	2897	2496	356	1589	1556	-35	841	737	413	1689	3737	2797	3136
1956 Federal Surplus/Deficit	2705	1387	-88	481	1953	3681	5043	4789	4045	3258	3166	4235	3013	3281
1957 Federal Surplus/Deficit	2044	511	322	545	483	1637	1342	-218	3740	3247	2879	4339	3102	1781
1958 Federal Surplus/Deficit	1052	-1360	252	-179	624	-68	666	2477	3691	3152	3266	4402	3452	1668
1959 Federal Surplus/Deficit	893	-728	245	-131	1245	2994	4825	4447	3558	3121	2765	3942	2805	2500
1960 Federal Surplus/Deficit	2749	752	2875	3136	3123	3157	3775	2828	2335	2811	3510	4047	3534	2340
1961 Federal Surplus/Deficit	2003	-841	-46	141	531	723	1532	3619	4055	3002	1969	4223	3073	2101
1962 Federal Surplus/Deficit	753	-336	-50	-736	523	474	2673	1948	990	3020	3577	4186	3472	165
1963 Federal Surplus/Deficit	1038	-116	-204	706	1572	2788	2791	3207	2528	1380	1856	3915	3391	2420
1964 Federal Surplus/Deficit	2016	-201	462	-390	426	784	1296	1184	885	2513	2013	4068	3288	3234
1965 Federal Surplus/Deficit	2727	800	1030	1028	1229	3741	5087	4819	4053	2738	3670	4206	3777	2451
1966 Federal Surplus/Deficit	2702	1415	143	499	729	1127	2291	1965	322	2792	2494	3884	3136	2613
1967 Federal Surplus/Deficit	2264	-556	-101	-427	272	1279	4195	4487	3772	2191	-278	3951	3105	3038
1968 Federal Surplus/Deficit	2494	-21	450	267	977	1111	2448	4114	3387	1366	1249	3249	3353	2923
1969 Federal Surplus/Deficit	2542	1235	1748	1083	2130	2261	4898	4853	3284	3389	3415	4281	3437	2828
1970 Federal Surplus/Deficit	1754	-918	63	227	753	-20	1441	1163	3187	2417	1673	3846	3616	1694
1971 Federal Surplus/Deficit	1439	-1159	-108	-396	441	237	4434	4740	4070	3307	3547	4263	3478	3299
1972 Federal Surplus/Deficit	2896	1967	625	507	702	1213	4109	4981	3655	2801	3212	4252	2874	3088
1973 Federal Surplus/Deficit	2944	2932	992	330	837	1664	1468	426	993	-995	859	3280	1424	186
1974 Federal Surplus/Deficit	758	-1400	66	-614	-151	2330	4977	4774	4208	3455	3496	4248	2827	3115
1975 Federal Surplus/Deficit	2809	2544	541	-531	584	191	1467	2623	3772	1495	1382	4203	3294	3338
1976 Federal Surplus/Deficit	2124	1392	1005	1195	2472	4379	4908	4493	4225	3280	3589	4249	3498	3226
1977 Federal Surplus/Deficit	2976	2894	3224	379	661	-89	45	467	729	-1064	339	359	-1191	-193
1978 Federal Surplus/Deficit	950	-911	-51	-1111	-287	1374	1644	1332	3312	3122	2337	4023	3022	2544
1979 Federal Surplus/Deficit	1396	-411	1891	655	714	-350	472	1401	2983	1512	2190	4213	1677	146
1980 Federal Surplus/Deficit	-151	-1421	-89	-507	616	14	-490	-400	1855	2878	3009	4275	3555	646
1981 Federal Surplus/Deficit	199	-1347	487	73	670	3366	4377	3510	2370	246	1959	3931	3048	3170
1982 Federal Surplus/Deficit	2798	2471	358	180	1059	997	1902	4808	3936	3485	2972	4250	3191	3028
1983 Federal Surplus/Deficit	2825	2408	1683	1194	1158	1605	3274	3877	4154	3392	3022	4212	3637	3175
1984 Federal Surplus/Deficit	2761	1847	762	345	2678	1150	4291	2831	4056	3545	3915	4166	3418	3185
1985 Federal Surplus/Deficit	2218	36	692	179	1048	973	1258	747	2596	3113	3287	4255	2870	-1504
1986 Federal Surplus/Deficit	-155	-1674	-242	31	1630	-72	2019	3834	4119	3371	3768	3763	3594	2155
1987 Federal Surplus/Deficit	1715	-759	-198	-726	920	218	-33	221	1606	879	1781	3900	2659	1322
1988 Federal Surplus/Deficit	-140	-1576	-206	-944	458	-468	-320	-183	328	-405	1442	3069	-80	1221
1989 Federal Surplus/Deficit	1233	-625	-52	-688	-106	-184	-403	595	1676	3260	3724	4029	2928	-1114
1990 Federal Surplus/Deficit	155	-933	30	-565	965	2039	2144	4165	2936	2256	3483	3931	3074	1947
1991 Federal Surplus/Deficit	2516	456	-316	-978	2744	2279	3921	4285	3171	3078	2855	4157	3388	3186
1992 Federal Surplus/Deficit	2748	1714	-5.4	-706	446	-393	294	960	2780	257	1017	2948	118	198

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-161	-1601	-159	-354	396	-51	-9.1	66	482	615	106	4060	1820	1351
1994 Federal Surplus/Deficit	1444	-184	-363	-816	866	187	9.6	689	572	-482	1629	3142	2260	349
1995 Federal Surplus/Deficit	159	-1180	-118	-605	11	-296	68	2330	3669	3119	1885	4104	3647	1922
1996 Federal Surplus/Deficit	1120	-309	484	718	3269	4237	5023	4725	3921	3061	3358	4318	3432	3385
1997 Federal Surplus/Deficit	2757	1358	348	151	804	2050	5099	4824	4006	3116	3299	4192	3055	3221
1998 Federal Surplus/Deficit	2642	1935	1696	2634	2110	934	2776	2040	2383	1862	2681	4352	3340	2393

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1864	-1187	-87	-69	234	-386	-359	-252	-152	-702	175	510	1062	-212
1930 Federal Surplus/Deficit	819	-886	179	-364	65	-398	-269	-482	24	-604	-124	209	-751	1236
1931 Federal Surplus/Deficit	1178	-784	-41	-822	386	-496	-482	-472	-2030	-840	-1643	2252	-1201	1054
1932 Federal Surplus/Deficit	46	-1813	-623	-734	-315	-427	-1039	-1088	1185	1473	3494	3714	3165	1064
1933 Federal Surplus/Deficit	1008	-439	451	-265	-407	1213	2549	2669	2864	2160	1614	3122	3027	3235
1934 Federal Surplus/Deficit	2559	1828	344	556	2709	4048	4425	4456	3728	3113	3434	3347	2486	1326
1935 Federal Surplus/Deficit	-386	-1261	-46	-345	-664	-227	1523	3477	1867	2174	1660	2901	1585	2544
1936 Federal Surplus/Deficit	2213	-959	-680	-472	5.0	-466	-1289	-282	538	494	3179	3632	3151	907
1937 Federal Surplus/Deficit	799	-1155	-613	-495	459	-403	-216	-593	-440	-1323	-1486	1699	-49	-820
1938 Federal Surplus/Deficit	877	-953	203	-223	-501	511	2512	1669	3301	2877	3527	3620	2824	1995
1939 Federal Surplus/Deficit	170	-1668	365	-59	-26	-573	-427	-340	769	2476	2717	3433	612	940
1940 Federal Surplus/Deficit	285	-1430	-285	-199	433	547	8.7	-63	2767	2727	2750	2848	1247	394
1941 Federal Surplus/Deficit	-233	-1465	-79	-199	434	-141	-670	-333	1842	-33	505	1361	-128	857
1942 Federal Surplus/Deficit	826	-977	363	-785	560	835	2359	-606	509	803	2164	2756	3271	2496
1943 Federal Surplus/Deficit	1963	51	685	-206	-612	-41	2002	1961	3691	3371	3455	3559	3047	2086
1944 Federal Surplus/Deficit	1179	-480	-453	-390	195	-455	-275	-168	376	-935	728	383	-1755	-157
1945 Federal Surplus/Deficit	708	-1327	87	-689	-235	-629	-713	-931	-145	-1319	-1447	3118	2468	-565
1946 Federal Surplus/Deficit	1055	-1268	-139	-891	-15	667	430	724	3817	3414	3714	3522	3073	2253
1947 Federal Surplus/Deficit	1663	-126	341	-367	318	3258	3321	3924	3796	2780	2459	3445	3206	2664
1948 Federal Surplus/Deficit	1506	-573	174	2258	1835	1867	4134	1006	3126	2328	3527	3775	3030	3194
1949 Federal Surplus/Deficit	2619	1987	543	201	149	416	-65	62	3964	2991	3510	3741	3143	-152
1950 Federal Surplus/Deficit	-381	-1807	-543	-602	34	-97	2413	3901	3884	3252	3215	3445	2808	2732
1951 Federal Surplus/Deficit	2537	1340	369	838	2173	3540	4729	4591	3958	3103	3505	3532	2786	3208
1952 Federal Surplus/Deficit	2485	150	409	1575	1091	1889	3676	3037	2484	3515	3753	3727	3354	2208
1953 Federal Surplus/Deficit	1633	-995	-580	-474	-119	-459	-801	2880	2581	1589	1876	3492	3199	3029
1954 Federal Surplus/Deficit	1702	289	100	192	394	1244	1284	4157	3652	2681	2447	3545	2809	3082
1955 Federal Surplus/Deficit	2777	2957	2342	226	1263	1272	-365	474	407	109	1363	2893	2956	3247
1956 Federal Surplus/Deficit	2573	1242	-310	348	1629	3412	4757	4485	3738	3299	3229	3638	2829	3327
1957 Federal Surplus/Deficit	1901	351	147	411	133	1353	971	-576	3417	3386	2579	3773	3034	1737
1958 Federal Surplus/Deficit	882	-1509	66	-294	280	-304	312	2114	3373	2832	2978	3752	3323	1621
1959 Federal Surplus/Deficit	719	-891	63	-249	914	2711	4504	4129	3233	3028	2476	3219	2921	2475
1960 Federal Surplus/Deficit	2607	596	2738	3013	2790	2879	3422	2468	1995	2994	3343	3277	3199	2310
1961 Federal Surplus/Deficit	1859	-1002	-255	15	183	450	1160	3271	3758	2682	1649	3555	2984	2064
1962 Federal Surplus/Deficit	575	-501	-264	-829	176	209	2294	1582	658	3171	3577	3491	3278	115
1963 Federal Surplus/Deficit	868	-280	-428	570	1246	2501	2415	2853	2189	1078	1533	3111	2567	2392
1964 Federal Surplus/Deficit	1873	-366	300	-496	75	510	928	816	555	2197	1692	3336	3282	3335
1965 Federal Surplus/Deficit	2586	645	895	890	897	3473	4806	4549	3748	2419	3649	3537	3207	2423
1966 Federal Surplus/Deficit	2560	1271	-54	365	388	846	1918	1599	-3	2969	2183	3086	2300	2619
1967 Federal Surplus/Deficit	2127	-720	-320	-537	-84	997	3852	4171	3469	1878	-631	3187	2839	3054
1968 Federal Surplus/Deficit	2348	-185	290	138	641	831	2066	3779	3058	1063	915	2335	3078	2936
1969 Federal Surplus/Deficit	2397	1087	1595	944	1807	1975	4580	4561	2952	3161	3427	3674	3218	2839
1970 Federal Surplus/Deficit	1604	-1080	-129	100	413	-261	1060	795	2854	2103	1346	3059	3487	1647
1971 Federal Surplus/Deficit	1279	-1313	-328	-507	89	-16	4091	4436	3761	3433	3455	3672	2882	3396
1972 Federal Surplus/Deficit	2750	1833	475	374	359	932	3760	4682	3376	2988	2921	3658	2994	3200
1973 Federal Surplus/Deficit	2796	2810	854	201	498	1380	1097	62	660	-1338	521	2370	537	135
1974 Federal Surplus/Deficit	580	-1547	-139	-717	-528	2038	4709	4505	3944	3144	3508	3597	2975	3226
1975 Federal Surplus/Deficit	2666	2419	390	-631	237	-59	1096	2261	3451	1193	1051	3517	3197	3395
1976 Federal Surplus/Deficit	1983	1247	867	1055	2149	4121	4588	4175	3930	3329	3567	3631	3216	3326
1977 Federal Surplus/Deficit	2813	2954	3116	249	318	-334	-293	101	398	-1424	-7.2	-468	-2068	-241
1978 Federal Surplus/Deficit	777	-1072	-270	-1189	-669	1080	1271	965	2983	3245	2026	3333	2184	2520
1979 Federal Surplus/Deficit	1237	-576	1736	519	372	-566	121	1034	2647	1209	1872	3500	793	96
1980 Federal Surplus/Deficit	-348	-1569	-304	-613	272	-231	-787	-756	1516	2558	2713	3701	3286	593
1981 Federal Surplus/Deficit	8.7	-1498	330	-52	328	3090	4041	3163	2031	-60	1639	3167	3082	3190
1982 Federal Surplus/Deficit	2655	2346	189	54	726	719	1518	4539	3662	3170	2673	3581	2907	3025
1983 Federal Surplus/Deficit	2682	2281	1531	1055	826	1311	2904	3535	3888	3189	2725	3505	3338	3177
1984 Federal Surplus/Deficit	2627	1711	616	215	2355	871	3942	2472	3747	3492	3692	3433	3384	3188
1985 Federal Surplus/Deficit	2080	-128	540	53	714	695	889	380	2258	2793	3000	3554	2022	-1536
1986 Federal Surplus/Deficit	-369	-1762	-489	-91	1304	-312	1646	3491	3850	3435	3498	2950	3146	2119
1987 Federal Surplus/Deficit	1564	-922	-425	-821	583	-38	-360	-141	1270	578	1457	3098	1806	1272
1988 Federal Surplus/Deficit	-338	-1718	-436	-1033	112	-679	-632	-543	2.8	-728	1113	2137	-988	1169
1989 Federal Surplus/Deficit	1068	-789	-258	-784	-479	-419	-708	229	1339	3386	3546	3283	2083	-1148
1990 Federal Surplus/Deficit	-36	-1093	-170	-667	630	1756	1770	3836	2600	1942	3410	3172	3123	1905
1991 Federal Surplus/Deficit	2376	296	-561	-1058	2419	1990	3571	3960	2838	2912	2577	3437	2976	3288
1992 Federal Surplus/Deficit	2606	1576	-210	-800	98	-610	-53	593	2443	-48	681	2010	-787	147

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-375	-1742	-383	-468	45	-291	-340	-296	157	312	-245	3299	937	1301
1994 Federal Surplus/Deficit	1285	-349	-616	-904	529	-70	-322	323	244	-807	1302	2220	1393	297
1995 Federal Surplus/Deficit	-32	-1335	-345	-708	-354	-520	-262	1966	3348	2799	1562	3371	3360	1879
1996 Federal Surplus/Deficit	952	-474	328	581	2936	4075	4752	4457	3648	3210	3398	3722	3360	3436
1997 Federal Surplus/Deficit	2616	1212	177	26	463	1755	4826	4554	3732	3091	3343	3529	3106	3322
1998 Federal Surplus/Deficit	2510	1801	1544	2500	1787	656	2397	1675	2044	1554	2375	3727	3297	2364

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1834	-1241	-143	-149	130	-476	-356	-37	-156	-702	159	1346	1905	-196
1930 Federal Surplus/Deficit	751	-944	121	-444	-39	-487	-266	-270	20	-605	-142	1034	108	1274
1931 Federal Surplus/Deficit	1116	-844	-98	-903	280	-585	-479	-258	-2034	-838	-1670	3110	-337	1090
1932 Federal Surplus/Deficit	-17	-1846	-675	-814	-417	-516	-1038	-886	1181	1460	3567	4356	3480	1099
1933 Federal Surplus/Deficit	945	-503	391	-345	-509	1107	2551	2890	2859	2146	1600	3930	3289	3292
1934 Federal Surplus/Deficit	2606	1796	285	477	2604	3942	4602	4658	3722	3199	3549	4102	3311	1366
1935 Federal Surplus/Deficit	-430	-1313	-102	-425	-763	-319	1526	3693	1863	2160	1647	3722	2422	2601
1936 Federal Surplus/Deficit	2225	-1019	-732	-551	-99	-555	-1288	-66	534	483	3162	4366	3627	940
1937 Federal Surplus/Deficit	732	-1210	-665	-575	353	-494	-213	-381	-445	-1316	-1513	2561	805	-812
1938 Federal Surplus/Deficit	810	-1010	145	-303	-603	409	2515	1894	3296	2864	3680	4325	3646	2044
1939 Federal Surplus/Deficit	106	-1710	306	-139	-129	-656	-424	-125	765	2463	2703	4195	1458	973
1940 Federal Surplus/Deficit	219	-1478	-340	-279	327	444	12	154	2762	2714	2735	3674	2087	418
1941 Federal Surplus/Deficit	-286	-1512	-136	-278	328	-236	-668	-118	1838	-41	490	2222	724	890
1942 Federal Surplus/Deficit	759	-1035	304	-866	454	731	2362	-394	506	791	2150	3584	3785	2553
1943 Federal Surplus/Deficit	1947	-12	624	-285	-714	-136	2005	2185	3685	3597	3623	4270	3324	2136
1944 Federal Surplus/Deficit	1118	-543	-506	-470	91	-542	-272	48	373	-933	714	1215	-884	-140
1945 Federal Surplus/Deficit	640	-1377	30	-769	-338	-713	-711	-729	-149	-1313	-1474	3935	3296	-555
1946 Federal Surplus/Deficit	991	-1320	-196	-973	-118	564	434	946	3810	3400	3792	4248	3508	2337
1947 Federal Surplus/Deficit	1621	-190	282	-447	214	3157	3324	4136	3789	2767	2445	4207	3707	2721
1948 Federal Surplus/Deficit	1456	-635	116	2175	1724	1760	4136	1229	3120	2314	3509	4383	3300	3251
1949 Federal Surplus/Deficit	2673	1960	483	122	45	315	-62	280	3957	2978	3671	4368	3642	-135
1950 Federal Surplus/Deficit	-425	-1839	-595	-682	-70	-192	2416	4113	3912	3489	3199	4214	3191	2790
1951 Federal Surplus/Deficit	2572	1293	310	758	2063	3439	4730	4830	3985	3329	3634	4275	3609	3265
1952 Federal Surplus/Deficit	2514	86	350	1494	982	1783	3678	3257	2480	3565	3735	4339	3961	2260
1953 Federal Surplus/Deficit	1589	-1051	-632	-554	-222	-547	-799	3101	2576	1575	1863	4256	3514	3088
1954 Federal Surplus/Deficit	1663	227	43	113	289	1138	1288	4366	3646	2668	2433	4294	3045	3140
1955 Federal Surplus/Deficit	2842	3003	2279	147	1153	1166	-362	695	403	102	1350	3724	3199	3304
1956 Federal Surplus/Deficit	2609	1192	-364	269	1519	3311	4757	4687	3731	3286	3426	4268	3045	3382
1957 Federal Surplus/Deficit	1874	289	89	332	30	1247	975	-364	3411	3612	2565	4355	3339	1782
1958 Federal Surplus/Deficit	816	-1555	8.9	-374	175	-393	315	2338	3367	2819	2962	4415	3774	1665
1959 Federal Surplus/Deficit	651	-949	5.8	-328	806	2607	4505	4337	3228	3015	2462	4002	3192	2531
1960 Federal Surplus/Deficit	2660	537	2672	2931	2686	2776	3424	2691	1991	3247	3326	4072	3657	2364
1961 Federal Surplus/Deficit	1830	-1059	-310	-65	79	348	1163	3490	3751	2668	1636	4295	3404	2115
1962 Federal Surplus/Deficit	507	-564	-319	-909	72	110	2297	1807	654	3405	3710	4247	3789	135
1963 Federal Surplus/Deficit	802	-344	-482	491	1136	2396	2418	3074	2185	1065	1520	3923	3393	2447
1964 Federal Surplus/Deficit	1844	-429	241	-576	-29	408	931	1039	551	2183	1678	4107	3637	3388
1965 Federal Surplus/Deficit	2637	586	833	809	790	3373	4807	4775	3741	2406	3712	4266	3904	2478
1966 Federal Surplus/Deficit	2610	1221	-110	285	283	741	1921	1824	-7.0	3218	2169	3895	3130	2676
1967 Federal Surplus/Deficit	2116	-781	-374	-617	-187	892	3854	4379	3462	1864	-652	3979	3130	3113
1968 Federal Surplus/Deficit	2374	-249	231	59	534	727	2069	3993	3053	1050	901	3192	3519	2995
1969 Federal Surplus/Deficit	2428	1034	1533	864	1696	1868	4580	4761	2947	3294	3532	4329	3717	2898
1970 Federal Surplus/Deficit	1560	-1137	-185	20	308	-352	1064	1018	2849	2089	1332	3862	3915	1691
1971 Federal Surplus/Deficit	1221	-1364	-382	-586	-14	-111	4092	4681	3754	3471	3437	4297	3579	3448
1972 Federal Surplus/Deficit	2815	1799	415	295	254	828	3762	4884	3416	3243	2906	4285	3262	3257
1973 Federal Surplus/Deficit	2861	2837	793	121	392	1274	1100	280	656	-1331	506	3225	1383	156
1974 Federal Surplus/Deficit	511	-1591	-194	-797	-630	1931	4758	4740	3971	3345	3657	4281	3225	3284
1975 Federal Surplus/Deficit	2727	2416	330	-711	133	-153	1100	2485	3445	1180	1037	4271	3521	3447
1976 Federal Surplus/Deficit	1960	1198	807	974	2039	4014	4589	4384	3923	3549	3549	4298	3716	3379
1977 Federal Surplus/Deficit	2872	3000	3047	169	213	-426	-290	320	394	-1418	-24	285	-1222	-225
1978 Federal Surplus/Deficit	709	-1128	-325	-1269	-768	975	1274	1188	2978	3276	2013	4091	3014	2577
1979 Federal Surplus/Deficit	1181	-638	1674	439	267	-648	124	1257	2642	1196	1859	4255	1637	116
1980 Federal Surplus/Deficit	-399	-1614	-359	-693	168	-322	-785	-547	1512	2544	2698	4322	3852	620
1981 Federal Surplus/Deficit	-53	-1545	270	-132	223	2988	4042	3382	2027	-66	1626	3958	3406	3247
1982 Federal Surplus/Deficit	2714	2336	131	-25	619	616	1521	4778	3693	3157	2659	4307	3444	3084
1983 Federal Surplus/Deficit	2741	2268	1469	975	719	1205	2906	3752	3915	3176	2710	4255	3932	3235
1984 Federal Surplus/Deficit	2671	1673	555	135	2246	766	3944	2695	3740	3704	3673	4204	3752	3245
1985 Federal Surplus/Deficit	2066	-192	481	-26	607	591	893	601	2253	2779	2984	4295	2855	-1533
1986 Federal Surplus/Deficit	-412	-1795	-541	-171	1195	-402	1649	3709	3878	3421	3480	3767	3885	2170
1987 Federal Surplus/Deficit	1517	-980	-479	-902	477	-134	-357	75	1266	568	1443	3909	2641	1310
1988 Federal Surplus/Deficit	-388	-1758	-490	-1114	7.9	-759	-629	-330	-1.1	-727	1099	2998	-125	1206
1989 Federal Surplus/Deficit	1005	-849	-313	-864	-581	-508	-706	449	1336	3474	3643	4064	2915	-1144
1990 Federal Surplus/Deficit	-96	-1149	-226	-747	524	1649	1773	4049	2595	1929	3563	3961	3437	1953
1991 Federal Surplus/Deficit	2406	233	-613	-1140	2311	1883	3573	4171	2833	2899	2563	4199	3538	3342
1992 Federal Surplus/Deficit	2656	1535	-266	-881	-6.3	-692	-50	815	2439	-55	667	2873	72	168

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-419	-1782	-437	-547	-58	-381	-337	-80	153	304	-264	4088	1781	1339
1994 Federal Surplus/Deficit	1228	-412	-668	-985	423	-166	-319	543	240	-805	1289	3078	2232	321
1995 Federal Surplus/Deficit	-92	-1385	-399	-788	-456	-605	-260	2190	3342	2786	1549	4142	3941	1927
1996 Federal Surplus/Deficit	886	-537	269	502	2834	3968	4831	4708	3687	3443	3573	4348	3752	3485
1997 Federal Surplus/Deficit	2667	1162	119	-53	358	1649	4886	4782	3763	3328	3523	4225	3419	3377
1998 Federal Surplus/Deficit	2540	1766	1482	2417	1676	553	2400	1899	2040	1541	2361	4367	3670	2419

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1831	-1215	-106	-112	127	-477	-499	-413	-292	-824	24	406	968	-318
1930 Federal Surplus/Deficit	789	-914	156	-405	-42	-487	-409	-644	-115	-727	-279	106	-846	1130
1931 Federal Surplus/Deficit	1146	-812	-61	-863	279	-586	-622	-633	-2172	-961	-1813	2151	-1296	947
1932 Federal Surplus/Deficit	24	-1834	-634	-775	-423	-517	-1177	-1260	1050	1341	3470	3635	3028	958
1933 Federal Surplus/Deficit	977	-468	426	-307	-517	1100	2401	2498	2734	2031	1484	3028	2883	3273
1934 Federal Surplus/Deficit	2543	1813	320	510	2597	4039	4563	4273	3598	3011	3493	3258	2394	1220
1935 Federal Surplus/Deficit	-396	-1288	-66	-387	-770	-321	1378	3299	1735	2044	1532	2806	1491	2439
1936 Federal Surplus/Deficit	2185	-988	-691	-513	-102	-555	-1422	-442	401	362	3067	3543	3060	801
1937 Federal Surplus/Deficit	769	-1183	-623	-536	352	-495	-357	-754	-582	-1440	-1656	1594	-144	-926
1938 Federal Surplus/Deficit	846	-981	180	-265	-612	403	2365	1505	3172	2753	3585	3527	2732	1889
1939 Federal Surplus/Deficit	147	-1695	341	-102	-134	-652	-567	-501	633	2348	2602	3344	518	833
1940 Federal Surplus/Deficit	261	-1457	-302	-242	326	438	-133	-223	2637	2602	2637	2751	1153	287
1941 Federal Surplus/Deficit	-250	-1491	-100	-241	326	-239	-809	-493	1710	-162	359	1256	-223	751
1942 Federal Surplus/Deficit	796	-1005	338	-826	452	724	2213	-768	373	671	2044	2659	3179	2391
1943 Federal Surplus/Deficit	1932	22	659	-248	-724	-139	1856	1796	3561	3416	3638	3470	2905	1981
1944 Federal Surplus/Deficit	1147	-509	-467	-431	88	-542	-415	-329	239	-1056	585	279	-1850	-263
1945 Federal Surplus/Deficit	678	-1354	66	-730	-343	-711	-851	-1103	-285	-1437	-1617	3023	2376	-671
1946 Federal Surplus/Deficit	1024	-1295	-159	-933	-123	557	288	564	3685	3296	3689	3429	2981	2148
1947 Federal Surplus/Deficit	1630	-155	317	-408	212	3159	3172	3743	3664	2654	2341	3356	3093	2559
1948 Federal Surplus/Deficit	1473	-602	152	2201	1719	1755	3983	845	2996	2199	3413	3696	2888	3089
1949 Federal Surplus/Deficit	2602	1975	518	157	42	309	-207	-98	3832	2867	3582	3652	3005	-258
1950 Federal Surplus/Deficit	-391	-1828	-552	-643	-74	-195	2266	3721	3999	3303	3104	3356	2672	2627
1951 Federal Surplus/Deficit	2511	1317	345	790	2054	3443	4573	4582	3988	3149	3562	3439	2694	3103
1952 Federal Surplus/Deficit	2459	121	385	1521	982	1777	3526	2864	2354	3462	3699	3642	3222	2102
1953 Federal Surplus/Deficit	1600	-1023	-589	-515	-227	-547	-938	2709	2451	1457	1751	3403	3061	2925
1954 Federal Surplus/Deficit	1669	261	78	148	287	1132	1140	3975	3522	2554	2329	3456	2662	3153
1955 Federal Surplus/Deficit	2758	3053	2322	182	1153	1159	-505	314	270	-20	1230	2796	2811	3294
1956 Federal Surplus/Deficit	2547	1218	-325	304	1509	3315	4600	4302	3607	3179	3465	3550	2681	3222
1957 Federal Surplus/Deficit	1869	322	124	366	26	1240	827	-737	3287	3431	2464	3692	2896	1631
1958 Federal Surplus/Deficit	852	-1536	45	-336	173	-393	170	1948	3243	2708	2866	3656	3231	1515
1959 Federal Surplus/Deficit	689	-919	42	-290	805	2606	4351	3947	3104	2906	2358	3128	2778	2370
1960 Federal Surplus/Deficit	2591	568	2713	2962	2679	2777	3273	2300	1864	3053	3231	3185	3107	2204
1961 Federal Surplus/Deficit	1827	-1030	-272	-28	76	342	1015	3097	3627	2556	1521	3466	2843	1959
1962 Federal Surplus/Deficit	548	-530	-281	-870	69	105	2147	1419	522	3220	3610	3402	3145	8.3
1963 Federal Surplus/Deficit	838	-309	-443	524	1136	2394	2268	2682	2058	945	1402	3017	2475	2287
1964 Federal Surplus/Deficit	1840	-395	276	-538	-32	401	784	656	418	2067	1562	3246	3162	3363
1965 Federal Surplus/Deficit	2569	617	869	841	789	3377	4649	4439	3617	2291	3610	3443	3115	2318
1966 Federal Surplus/Deficit	2544	1247	-73	320	281	734	1772	1436	-142	3026	2061	2992	2207	2514
1967 Federal Surplus/Deficit	2095	-749	-336	-578	-191	885	3702	3989	3338	1747	-791	3095	2694	2949
1968 Federal Surplus/Deficit	2332	-214	266	95	533	720	1920	3600	2928	930	773	2234	2987	2832
1969 Federal Surplus/Deficit	2381	1062	1574	894	1695	1864	4425	4379	2823	3108	3457	3580	3113	2734
1970 Federal Surplus/Deficit	1571	-1108	-149	57	306	-353	916	634	2725	1973	1211	2966	3362	1541
1971 Federal Surplus/Deficit	1246	-1341	-343	-548	-18	-114	3940	4453	3630	3367	3341	3592	2735	3337
1972 Federal Surplus/Deficit	2733	1817	450	330	252	821	3611	4500	3555	3048	2809	3579	2851	3251
1973 Federal Surplus/Deficit	2777	2843	828	157	390	1267	953	-98	524	-1454	375	2269	442	29
1974 Federal Surplus/Deficit	552	-1574	-157	-758	-640	1927	4630	4432	4037	3163	3632	3504	2830	3276
1975 Federal Surplus/Deficit	2648	2425	365	-672	130	-155	952	2094	3321	1060	912	3428	3061	3415
1976 Federal Surplus/Deficit	1951	1223	842	1005	2029	4039	4434	3993	3799	3371	3452	3537	3096	3256
1977 Federal Surplus/Deficit	2792	3100	3082	205	211	-427	-434	-59	261	-1542	-161	-570	-2163	-348
1978 Federal Surplus/Deficit	747	-1100	-286	-1228	-775	968	1126	804	2854	3172	1905	3243	2091	2416
1979 Federal Surplus/Deficit	1205	-604	1716	473	265	-644	-21	873	2517	1077	1745	3411	698	-11
1980 Federal Surplus/Deficit	-364	-1596	-321	-654	165	-324	-925	-919	1383	2431	2599	3621	3157	486
1981 Federal Surplus/Deficit	-13	-1525	305	-95	221	2989	3889	2989	1900	-188	1510	3075	2945	3085
1982 Federal Surplus/Deficit	2638	2346	166	11	618	609	1373	4529	3791	3049	2558	3487	2762	2920
1983 Federal Surplus/Deficit	2665	2279	1509	1005	718	1198	2756	3358	4001	3068	2611	3417	3208	3072
1984 Federal Surplus/Deficit	2603	1693	590	171	2237	759	3792	2304	3616	3530	3574	3343	3252	3083
1985 Federal Surplus/Deficit	2048	-157	515	11	606	585	746	220	2127	2668	2888	3465	1929	-1641
1986 Federal Surplus/Deficit	-378	-1783	-500	-133	1194	-403	1500	3315	3968	3318	3385	2856	3054	2014
1987 Federal Surplus/Deficit	1530	-950	-440	-863	475	-137	-499	-302	1136	447	1324	3004	1712	1166
1988 Federal Surplus/Deficit	-354	-1745	-450	-1074	5.2	-755	-770	-618	-148	-839	986	2045	-991	1047
1989 Federal Surplus/Deficit	1036	-817	-276	-841	-592	-512	-862	63	1143	3370	3581	3192	1990	-1253
1990 Federal Surplus/Deficit	-57	-1121	-189	-708	522	1644	1624	3656	2470	1812	3566	3081	2985	1800
1991 Federal Surplus/Deficit	2356	267	-572	-1099	2302	1879	3421	3779	2708	2789	2462	3348	2885	3199
1992 Federal Surplus/Deficit	2590	1557	-228	-841	-9.6	-688	-195	433	2313	-177	538	1907	-882	40

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-384	-1769	-398	-509	-62	-381	-481	-456	18	183	-402	3207	843	1194
1994 Federal Surplus/Deficit	1252	-378	-625	-945	422	-170	-462	163	106	-928	1167	2117	1299	191
1995 Federal Surplus/Deficit	-53	-1362	-359	-749	-463	-603	-403	1801	3218	2675	1431	3281	3231	1774
1996 Federal Surplus/Deficit	921	-503	303	535	2828	4065	4677	4513	3782	3259	3595	3627	3230	3329
1997 Federal Surplus/Deficit	2599	1188	154	-16	356	1643	4726	4456	3861	3141	3549	3436	2969	3327
1998 Federal Surplus/Deficit	2483	1785	1522	2444	1666	546	2250	1510	1913	1422	2256	3631	3165	2259

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1733	-1332	-229	-199	85	-541	-419	-274	-223	-748	115	1266	1819	-308
1930 Federal Surplus/Deficit	652	-1035	32	-494	-84	-552	-328	-507	-47	-651	-185	955	22	1162
1931 Federal Surplus/Deficit	1015	-935	-185	-953	236	-650	-542	-495	-2101	-884	-1714	3031	-423	978
1932 Federal Surplus/Deficit	-110	-1940	-753	-865	-462	-581	-1100	-1123	1114	1414	3524	4436	4156	987
1933 Federal Surplus/Deficit	844	-595	299	-395	-554	1042	2489	2653	2792	2100	1557	3850	4061	3385
1934 Federal Surplus/Deficit	2511	1685	194	426	2551	3877	4752	4421	3655	3175	3474	4022	3225	1255
1935 Federal Surplus/Deficit	-513	-1405	-189	-475	-808	-384	1464	3455	1796	2114	1603	3643	2336	2489
1936 Federal Surplus/Deficit	2127	-1110	-811	-602	-143	-620	-1351	-303	466	437	3118	4286	3878	828
1937 Federal Surplus/Deficit	632	-1301	-743	-625	308	-559	-276	-618	-512	-1362	-1557	2481	719	-924
1938 Federal Surplus/Deficit	710	-1101	56	-354	-648	344	2452	1657	3228	2818	3604	4278	3560	1932
1939 Federal Surplus/Deficit	11	-1804	215	-189	-174	-721	-487	-362	698	2417	2659	4115	1372	861
1940 Federal Surplus/Deficit	124	-1570	-424	-330	283	379	-51	-84	2695	2668	2692	3595	2001	307
1941 Federal Surplus/Deficit	-376	-1604	-223	-329	283	-301	-731	-355	1771	-87	446	2142	638	778
1942 Federal Surplus/Deficit	659	-1126	213	-916	409	666	2300	-632	438	745	2106	3505	4181	2441
1943 Federal Surplus/Deficit	1847	-108	532	-336	-758	-201	1943	1948	3617	3573	3544	4214	4068	2025
1944 Federal Surplus/Deficit	1017	-635	-588	-521	47	-607	-334	-189	305	-979	670	1135	-970	-252
1945 Federal Surplus/Deficit	540	-1469	-58	-819	-382	-778	-773	-966	-216	-1359	-1518	3855	3209	-666
1946 Federal Surplus/Deficit	890	-1411	-282	-1023	-163	499	371	709	3742	3354	3748	4188	3802	2194
1947 Federal Surplus/Deficit	1520	-283	192	-498	169	3092	3261	3899	3721	2721	2401	4127	3928	2610
1948 Federal Surplus/Deficit	1354	-727	27	2124	1675	1695	4073	992	3053	2268	3466	4500	4058	3140
1949 Federal Surplus/Deficit	2578	1848	392	71	0.3	250	-125	43	3890	2932	3594	4390	3955	-247
1950 Federal Surplus/Deficit	-509	-1934	-670	-733	-115	-257	2353	3876	4080	3474	3138	4134	3884	2678
1951 Federal Surplus/Deficit	2476	1187	219	707	2010	3374	4667	4776	4035	3323	3581	4196	3522	3153
1952 Federal Surplus/Deficit	2417	-9.2	259	1443	937	1718	3615	3020	2412	3519	3691	4403	4176	2148
1953 Federal Surplus/Deficit	1487	-1142	-707	-604	-267	-612	-862	2864	2509	1529	1819	4177	4188	2977
1954 Federal Surplus/Deficit	1561	130	-46	62	244	1073	1225	4129	3578	2622	2389	4214	3862	3276
1955 Federal Surplus/Deficit	2748	2933	2198	96	1108	1101	-425	458	336	56	1306	3644	4005	3404
1956 Federal Surplus/Deficit	2514	1087	-447	218	1465	3246	4695	4449	3664	3240	3341	4299	3900	3270
1957 Federal Surplus/Deficit	1773	192	0	281	-15	1182	912	-602	3344	3588	2521	4455	4033	1670
1958 Federal Surplus/Deficit	716	-1647	-79	-425	130	-458	252	2101	3299	2773	2919	4489	4224	1553
1959 Federal Surplus/Deficit	551	-1040	-82	-379	761	2542	4442	4100	3160	2969	2419	3923	3947	2419
1960 Federal Surplus/Deficit	2565	437	2590	2880	2633	2711	3362	2454	1924	3225	3282	3993	3925	2252
1961 Federal Surplus/Deficit	1728	-1150	-394	-115	34	283	1101	3253	3683	2622	1592	4215	4000	2004
1962 Federal Surplus/Deficit	409	-656	-403	-960	27	45	2234	1570	587	3381	3644	4167	4037	23
1963 Federal Surplus/Deficit	702	-437	-564	440	1092	2331	2355	2837	2117	1019	1476	3844	3307	2335
1964 Federal Surplus/Deficit	1743	-521	150	-627	-73	343	868	802	483	2137	1635	4028	4007	3405
1965 Federal Surplus/Deficit	2542	486	742	759	745	3308	4744	4622	3674	2360	3668	4188	3931	2366
1966 Federal Surplus/Deficit	2515	1116	-196	235	238	676	1858	1587	-74	3196	2126	3816	3043	2565
1967 Federal Surplus/Deficit	2016	-872	-457	-667	-231	827	3791	4141	3395	1818	-695	3899	3878	3001
1968 Federal Surplus/Deficit	2276	-342	140	8.1	490	662	2007	3756	2985	1004	857	3112	3804	2884
1969 Federal Surplus/Deficit	2331	931	1447	813	1651	1803	4518	4524	2880	3271	3489	4325	3945	2786
1970 Federal Surplus/Deficit	1459	-1228	-272	-30	263	-417	1001	780	2782	2043	1289	3783	4278	1579
1971 Federal Surplus/Deficit	1119	-1456	-465	-637	-59	-176	4030	4672	3687	3425	3393	4346	3941	3382
1972 Federal Surplus/Deficit	2721	1689	324	244	209	762	3700	4647	3660	3221	2862	4330	4022	3349
1973 Federal Surplus/Deficit	2767	2721	701	71	347	1209	1038	43	589	-1377	462	3146	1297	44
1974 Federal Surplus/Deficit	413	-1684	-279	-848	-675	1866	4789	4647	4110	3335	3592	4255	4018	3387
1975 Federal Surplus/Deficit	2633	2301	239	-762	88	-218	1037	2248	3378	1134	993	4192	4180	3485
1976 Federal Surplus/Deficit	1860	1093	715	923	1985	3949	4526	4146	3856	3524	3505	4278	3940	3302
1977 Federal Surplus/Deficit	2777	2975	2960	118	168	-491	-353	83	327	-1464	-68	206	-1308	-337
1978 Federal Surplus/Deficit	609	-1219	-408	-1320	-813	910	1212	951	2911	3230	1969	4011	2928	2465
1979 Federal Surplus/Deficit	1079	-731	1590	389	223	-713	61	1020	2575	1150	1815	4175	1551	3.8
1980 Federal Surplus/Deficit	-487	-1706	-443	-744	123	-387	-847	-784	1445	2498	2655	4450	4095	509
1981 Federal Surplus/Deficit	-146	-1637	179	-183	178	2923	3979	3145	1959	-112	1582	3878	4064	3136
1982 Federal Surplus/Deficit	2620	2221	41	-76	574	551	1459	4726	3890	3111	2615	4230	3944	2972
1983 Federal Surplus/Deficit	2648	2153	1382	924	674	1140	2844	3515	4099	3130	2667	4175	4115	3123
1984 Federal Surplus/Deficit	2577	1564	464	85	2193	701	3881	2458	3673	3679	3630	4124	4329	3133
1985 Federal Surplus/Deficit	1966	-286	389	-77	562	526	830	364	2186	2733	2940	4215	2769	-1645
1986 Federal Surplus/Deficit	-496	-1889	-620	-221	1150	-467	1586	3472	4066	3375	3437	3687	3872	2059
1987 Federal Surplus/Deficit	1415	-1071	-560	-953	432	-199	-420	-162	1199	522	1400	3829	2554	1199
1988 Federal Surplus/Deficit	-476	-1851	-571	-1165	-37	-824	-692	-445	-75	-758	1072	2935	-63	1066
1989 Federal Surplus/Deficit	887	-958	-417	-932	-628	-580	-791	201	1168	3418	3569	3984	2829	-1256
1990 Federal Surplus/Deficit	-188	-1240	-312	-798	479	1584	1711	3812	2528	1883	3488	3882	4109	1842
1991 Federal Surplus/Deficit	2310	136	-692	-1190	2258	1818	3510	3934	2766	2853	2519	4120	3707	3246
1992 Federal Surplus/Deficit	2561	1427	-351	-931	-51	-757	-113	578	2371	-101	623	2793	-14	56

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-502	-1876	-519	-598	-103	-446	-400	-318	86	258	-308	4008	1695	1227
1994 Federal Surplus/Deficit	1126	-505	-743	-1036	379	-231	-382	306	172	-851	1245	2999	2146	209
1995 Federal Surplus/Deficit	-184	-1477	-480	-839	-501	-670	-322	1953	3275	2740	1505	4063	4165	1815
1996 Federal Surplus/Deficit	786	-629	178	451	2781	3903	4774	4670	3880	3419	3493	4363	4207	3373
1997 Federal Surplus/Deficit	2572	1057	29	-104	313	1584	4823	4618	3960	3305	3442	4186	3959	3428
1998 Federal Surplus/Deficit	2444	1656	1395	2367	1622	488	2337	1662	1973	1495	2317	4361	4235	2307

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1728	-1315	-198	-202	82	-559	-496	-400	-303	-832	1.3	328	905	-376
1930 Federal Surplus/Deficit	686	-1015	64	-495	-91	-570	-405	-633	-127	-735	-300	24	-905	1071
1931 Federal Surplus/Deficit	1043	-913	-154	-951	242	-669	-619	-621	-2202	-969	-1823	2097	-1353	889
1932 Federal Surplus/Deficit	-79	-1935	-726	-863	-480	-599	-1179	-1251	1037	1326	3456	3565	2970	900
1933 Federal Surplus/Deficit	874	-569	333	-396	-576	1036	2425	2521	2720	2013	1462	2978	2824	3214
1934 Federal Surplus/Deficit	2440	1713	227	419	2540	3880	4585	4291	3580	2991	3478	3200	2334	1161
1935 Federal Surplus/Deficit	-498	-1389	-158	-477	-846	-401	1395	3322	1722	2027	1509	2756	1429	2381
1936 Federal Surplus/Deficit	2082	-1088	-784	-602	-152	-638	-1428	-430	389	351	3052	3479	3002	742
1937 Federal Surplus/Deficit	666	-1284	-716	-624	316	-576	-352	-743	-593	-1450	-1666	1532	-204	-984
1938 Federal Surplus/Deficit	744	-1081	88	-355	-672	334	2388	1526	3156	2734	3570	3465	2673	1831
1939 Federal Surplus/Deficit	44	-1795	248	-192	-187	-742	-564	-488	621	2330	2585	3288	455	775
1940 Federal Surplus/Deficit	158	-1558	-394	-332	291	370	-126	-210	2623	2583	2620	2702	1090	229
1941 Federal Surplus/Deficit	-353	-1592	-192	-331	291	-316	-809	-481	1697	-172	336	1192	-284	693
1942 Federal Surplus/Deficit	694	-1106	246	-915	419	658	2236	-757	360	659	2024	2610	3123	2333
1943 Federal Surplus/Deficit	1829	-79	566	-337	-784	-216	1877	1817	3544	3396	3623	3406	2846	1922
1944 Federal Surplus/Deficit	1044	-610	-559	-520	41	-626	-411	-316	227	-1064	561	200	-1904	-321
1945 Federal Surplus/Deficit	576	-1455	-27	-818	-399	-798	-852	-1093	-296	-1446	-1627	2974	2315	-729
1946 Federal Surplus/Deficit	921	-1396	-252	-1020	-176	489	297	580	3668	3276	3673	3370	2923	2089
1947 Federal Surplus/Deficit	1528	-256	225	-497	167	3094	3199	3766	3647	2635	2322	3300	3036	2500
1948 Federal Surplus/Deficit	1370	-703	59	2109	1713	1693	4010	862	2981	2181	3399	3627	2829	3031
1949 Federal Surplus/Deficit	2500	1875	426	66	-6.9	239	-200	-84	3814	2848	3567	3586	2947	-317
1950 Federal Surplus/Deficit	-494	-1929	-645	-732	-125	-272	2289	3743	3979	3282	3089	3301	2612	2569
1951 Federal Surplus/Deficit	2409	1217	252	697	2042	3377	4596	4597	3969	3128	3547	3379	2634	3045
1952 Federal Surplus/Deficit	2356	20	292	1428	964	1715	3553	2887	2340	3441	3684	3575	3166	2044
1953 Federal Surplus/Deficit	1497	-1123	-682	-603	-282	-631	-941	2731	2437	1442	1729	3347	3003	2866
1954 Federal Surplus/Deficit	1566	160	-14	57	246	1068	1155	3997	3505	2536	2310	3397	2603	3095
1955 Federal Surplus/Deficit	2655	2952	2230	92	1140	1095	-502	329	258	-30	1207	2747	2751	3236
1956 Federal Surplus/Deficit	2444	1117	-418	213	1503	3249	4621	4319	3590	3159	3451	3488	2621	3163
1957 Federal Surplus/Deficit	1766	222	32	275	-23	1177	841	-727	3272	3410	2446	3617	2838	1573
1958 Federal Surplus/Deficit	749	-1636	-47	-425	128	-476	178	1969	3227	2688	2850	3585	3175	1457
1959 Federal Surplus/Deficit	587	-1019	-51	-380	782	2543	4375	3968	3088	2886	2339	3076	2719	2311
1960 Federal Surplus/Deficit	2488	468	2620	2872	2613	2713	3300	2322	1851	3032	3217	3134	3050	2146
1961 Federal Surplus/Deficit	1724	-1131	-365	-118	29	273	1031	3120	3610	2537	1498	3404	2784	1901
1962 Federal Surplus/Deficit	445	-630	-373	-957	23	32	2170	1439	510	3199	3595	3345	3088	-50
1963 Federal Surplus/Deficit	735	-410	-536	433	1123	2331	2292	2704	2045	932	1379	2967	2415	2229
1964 Federal Surplus/Deficit	1738	-495	183	-626	-83	332	797	673	406	2050	1539	3192	3105	3304
1965 Federal Surplus/Deficit	2467	516	777	748	766	3311	4669	4462	3600	2273	3594	3380	3058	2260
1966 Federal Surplus/Deficit	2441	1146	-165	228	242	669	1792	1456	-154	3005	2041	2942	2146	2456
1967 Federal Surplus/Deficit	1993	-849	-428	-667	-245	820	3729	4010	3322	1731	-808	3044	2635	2891
1968 Federal Surplus/Deficit	2230	-315	173	4.3	501	654	1941	3623	2914	917	749	2180	2929	2773
1969 Federal Surplus/Deficit	2279	961	1481	802	1690	1801	4450	4395	2808	3087	3442	3517	3055	2676
1970 Federal Surplus/Deficit	1468	-1208	-241	-34	266	-434	930	651	2710	1956	1188	2916	3306	1483
1971 Federal Surplus/Deficit	1144	-1441	-436	-637	-69	-191	3967	4469	3613	3346	3327	3528	2675	3278
1972 Federal Surplus/Deficit	2630	1717	358	239	209	755	3638	4517	3539	3028	2792	3515	2792	3192
1973 Federal Surplus/Deficit	2675	2742	736	66	353	1204	967	-84	512	-1461	352	2216	379	-30
1974 Federal Surplus/Deficit	449	-1674	-249	-847	-700	1865	4651	4448	4018	3142	3616	3443	2771	3218
1975 Federal Surplus/Deficit	2546	2324	272	-760	84	-233	966	2116	3306	1047	888	3370	3003	3356
1976 Federal Surplus/Deficit	1848	1123	749	912	2018	3952	4459	4014	3780	3350	3437	3472	3039	3197
1977 Federal Surplus/Deficit	2689	2999	2989	114	168	-507	-429	-44	249	-1551	-182	-664	-2210	-406
1978 Federal Surplus/Deficit	644	-1200	-379	-1314	-851	903	1142	821	2839	3152	1884	3187	2030	2357
1979 Federal Surplus/Deficit	1102	-705	1624	381	224	-734	-14	890	2503	1063	1723	3353	635	-69
1980 Federal Surplus/Deficit	-467	-1696	-413	-742	122	-404	-926	-909	1371	2413	2582	3551	3100	428
1981 Federal Surplus/Deficit	-115	-1625	213	-185	178	2925	3916	3012	1886	-197	1488	3023	2887	3027
1982 Federal Surplus/Deficit	2536	2246	73	-79	590	542	1390	4544	3773	3029	2541	3423	2703	2862
1983 Federal Surplus/Deficit	2563	2178	1416	912	692	1134	2781	3382	3982	3048	2593	3358	3152	3014
1984 Federal Surplus/Deficit	2500	1592	498	80	2216	693	3819	2326	3599	3510	3559	3289	3195	3024
1985 Federal Surplus/Deficit	1945	-258	423	-80	576	517	759	236	2114	2649	2872	3403	1866	-1699
1986 Federal Surplus/Deficit	-481	-1884	-593	-223	1183	-484	1518	3339	3949	3297	3370	2806	2997	1955
1987 Federal Surplus/Deficit	1428	-1050	-532	-950	440	-213	-497	-289	1123	436	1301	2954	1650	1107
1988 Federal Surplus/Deficit	-456	-1845	-543	-1161	-40	-845	-770	-606	-160	-847	963	1989	-1049	989
1989 Federal Surplus/Deficit	906	-949	-395	-929	-652	-596	-863	78	1131	3350	3566	3139	1928	-1311
1990 Federal Surplus/Deficit	-159	-1222	-282	-796	493	1582	1644	3679	2456	1795	3550	3029	2927	1741
1991 Federal Surplus/Deficit	2254	166	-665	-1186	2273	1817	3448	3802	2694	2769	2445	3292	2826	3140
1992 Federal Surplus/Deficit	2487	1456	-321	-929	-58	-778	-188	449	2299	-186	514	1850	-941	-18

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-487	-1869	-490	-598	-112	-463	-477	-444	5.8	173	-422	3156	780	1136
1994 Federal Surplus/Deficit	1150	-479	-718	-1032	388	-245	-459	178	94	-936	1144	2063	1236	132
1995 Federal Surplus/Deficit	-155	-1463	-452	-837	-522	-690	-399	1822	3203	2655	1408	3227	3175	1715
1996 Federal Surplus/Deficit	818	-603	211	443	2744	3906	4695	4529	3763	3238	3581	3560	3174	3270
1997 Federal Surplus/Deficit	2497	1087	62	-107	317	1581	4745	4479	3843	3121	3534	3374	2911	3268
1998 Federal Surplus/Deficit	2381	1684	1429	2353	1661	479	2273	1531	1900	1407	2236	3559	3109	2201

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Federal Surplus/Deficit	1676	-1413	-279	-282	57	-580	-455	-124	-283	-806	59	1179	1728	-404
1930 Federal Surplus/Deficit	578	-1110	-21	-578	-111	-591	-364	-357	-108	-709	-242	868	-69	1066
1931 Federal Surplus/Deficit	942	-1008	-236	-1036	208	-689	-577	-345	-2161	-942	-1770	2944	-514	882
1932 Federal Surplus/Deficit	-171	-2040	-801	-948	-490	-620	-1136	-973	1053	1356	3467	4349	4065	891
1933 Federal Surplus/Deficit	770	-664	244	-479	-581	1003	2453	2803	2732	2042	1500	3763	3970	3290
1934 Federal Surplus/Deficit	2490	1607	141	343	2523	3838	4716	4571	3595	3117	3417	3935	3134	1159
1935 Federal Surplus/Deficit	-568	-1487	-239	-559	-836	-423	1428	3606	1736	2056	1547	3556	2246	2393
1936 Federal Surplus/Deficit	2094	-1184	-858	-685	-171	-659	-1387	-153	406	379	3062	4199	3788	732
1937 Federal Surplus/Deficit	558	-1380	-790	-708	281	-598	-312	-468	-572	-1420	-1613	2394	628	-1020
1938 Federal Surplus/Deficit	636	-1177	3.1	-437	-676	305	2416	1807	3168	2760	3548	4191	3469	1836
1939 Federal Surplus/Deficit	-54	-1896	161	-273	-202	-760	-523	-212	638	2359	2602	4029	1282	765
1940 Federal Surplus/Deficit	57	-1657	-473	-413	255	340	-87	67	2635	2610	2635	3508	1910	211
1941 Federal Surplus/Deficit	-427	-1691	-274	-412	255	-340	-767	-205	1711	-145	390	2055	547	682
1942 Federal Surplus/Deficit	585	-1202	158	-1000	381	627	2264	-481	378	687	2050	3418	4090	2345
1943 Federal Surplus/Deficit	1798	-174	476	-419	-786	-240	1907	2099	3557	3515	3488	4128	3977	1929
1944 Federal Surplus/Deficit	944	-705	-636	-604	19	-646	-370	-39	245	-1037	614	1049	-1060	-348
1945 Federal Surplus/Deficit	467	-1553	-110	-902	-410	-817	-809	-816	-276	-1417	-1574	3768	3119	-762
1946 Federal Surplus/Deficit	817	-1494	-333	-1106	-191	460	335	859	3682	3296	3691	4102	3712	2098
1947 Federal Surplus/Deficit	1456	-350	138	-581	142	3053	3225	4049	3661	2663	2345	4040	3838	2514
1948 Federal Surplus/Deficit	1286	-798	-26	2041	1647	1656	4037	1142	2993	2210	3409	4413	3968	3044
1949 Federal Surplus/Deficit	2562	1768	337	-12	-28	211	-161	193	3830	2874	3537	4304	3865	-343
1950 Federal Surplus/Deficit	-564	-2033	-718	-816	-142	-296	2317	4026	4020	3416	3081	4048	3794	2583
1951 Federal Surplus/Deficit	2454	1116	165	624	1982	3335	4631	4926	3975	3265	3525	4109	3431	3057
1952 Federal Surplus/Deficit	2393	-75	205	1360	910	1679	3579	3170	2352	3461	3635	4316	4086	2052
1953 Federal Surplus/Deficit	1422	-1220	-756	-687	-295	-651	-897	3014	2449	1471	1762	4090	4098	2881
1954 Federal Surplus/Deficit	1500	64	-97	-21	216	1035	1189	4279	3518	2564	2333	4128	3772	3180
1955 Federal Surplus/Deficit	2730	2685	2140	13	1081	1062	-461	608	276	-2.3	1250	3557	3915	3308
1956 Federal Surplus/Deficit	2493	1017	-495	135	1437	3207	4659	4600	3604	3182	3285	4212	3809	3174
1957 Federal Surplus/Deficit	1717	126	-52	198	-43	1143	876	-451	3284	3530	2465	4368	3942	1575
1958 Federal Surplus/Deficit	642	-1736	-130	-508	103	-497	216	2251	3239	2715	2862	4402	4133	1457
1959 Federal Surplus/Deficit	478	-1115	-134	-462	733	2503	4407	4250	3100	2911	2362	3836	3857	2323
1960 Federal Surplus/Deficit	2548	371	2535	2797	2605	2672	3326	2605	1864	3167	3226	3906	3834	2156
1961 Federal Surplus/Deficit	1672	-1227	-444	-198	6.7	244	1065	3403	3623	2564	1536	4128	3909	1908
1962 Federal Surplus/Deficit	337	-725	-452	-1043	-0.6	6.2	2198	1720	527	3323	3587	4080	3947	-73
1963 Federal Surplus/Deficit	628	-505	-613	357	1064	2292	2319	2987	2057	961	1420	3757	3217	2239
1964 Federal Surplus/Deficit	1687	-590	97	-710	-101	304	832	952	423	2079	1578	3941	3917	3309
1965 Federal Surplus/Deficit	2524	419	685	676	717	3269	4708	4772	3614	2302	3612	4101	3840	2271
1966 Federal Surplus/Deficit	2496	1046	-246	152	211	637	1822	1737	-134	3138	2069	3729	2953	2469
1967 Federal Surplus/Deficit	1970	-945	-506	-750	-259	788	3755	4292	3335	1760	-752	3812	3788	2905
1968 Federal Surplus/Deficit	2243	-410	87	-75	462	623	1971	3906	2925	946	801	3025	3714	2788
1969 Federal Surplus/Deficit	2301	861	1388	730	1623	1764	4482	4674	2820	3213	3432	4238	3854	2690
1970 Federal Surplus/Deficit	1394	-1305	-323	-113	235	-456	965	931	2722	1985	1232	3696	4188	1483
1971 Federal Surplus/Deficit	1047	-1540	-514	-720	-87	-215	3994	4823	3627	3367	3337	4259	3851	3286
1972 Federal Surplus/Deficit	2706	1612	269	161	181	724	3664	4797	3600	3163	2806	4243	3932	3253
1973 Federal Surplus/Deficit	2750	2627	645	-13	320	1170	1002	193	529	-1435	406	3059	1206	-52
1974 Federal Surplus/Deficit	342	-1775	-329	-931	-703	1827	4753	4797	4050	3278	3535	4169	3928	3291
1975 Federal Surplus/Deficit	2618	2212	184	-845	61	-257	1001	2398	3318	1076	937	4105	4090	3389
1976 Federal Surplus/Deficit	1807	1022	658	840	1957	3910	4490	4297	3796	3466	3448	4191	3849	3206
1977 Federal Surplus/Deficit	2748	2681	2908	35	140	-530	-389	233	267	-1522	-124	119	-1398	-433
1978 Federal Surplus/Deficit	536	-1297	-457	-1403	-840	871	1176	1101	2851	3172	1913	3924	2838	2369
1979 Federal Surplus/Deficit	1008	-800	1531	306	195	-752	25	1170	2515	1092	1759	4089	1461	-92
1980 Federal Surplus/Deficit	-534	-1796	-492	-827	95	-426	-883	-634	1385	2440	2598	4364	4004	413
1981 Federal Surplus/Deficit	-206	-1725	125	-266	150	2884	3944	3295	1899	-170	1526	3791	3973	3040
1982 Federal Surplus/Deficit	2605	2135	-12	-159	546	512	1423	4876	3830	3053	2559	4144	3854	2876
1983 Federal Surplus/Deficit	2632	2069	1323	841	646	1101	2808	3665	4039	3072	2610	4088	4024	3027
1984 Federal Surplus/Deficit	2559	1488	409	1.6	2165	662	3845	2608	3613	3621	3573	4038	4238	3037
1985 Federal Surplus/Deficit	1919	-353	335	-160	534	488	794	514	2126	2675	2884	4128	2678	-1741
1986 Federal Surplus/Deficit	-551	-1988	-667	-304	1122	-506	1550	3622	4006	3318	3380	3600	3782	1963
1987 Federal Surplus/Deficit	1349	-1146	-609	-1036	404	-238	-455	-12	1138	464	1343	3742	2464	1103
1988 Federal Surplus/Deficit	-524	-1947	-619	-1248	-65	-863	-728	-294	-135	-816	1016	2848	-154	970
1989 Federal Surplus/Deficit	814	-1031	-467	-1015	-656	-619	-827	351	1108	3361	3513	3898	2739	-1352
1990 Federal Surplus/Deficit	-247	-1318	-362	-881	451	1545	1675	3962	2468	1825	3431	3795	4018	1746
1991 Federal Surplus/Deficit	2282	70	-739	-1273	2230	1779	3474	4084	2705	2795	2463	4033	3617	3150
1992 Federal Surplus/Deficit	2543	1353	-401	-1015	-79	-796	-148	728	2311	-159	566	2706	-104	-40

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Federal Surplus/Deficit	-557	-1972	-567	-681	-131	-485	-436	-167	25	200	-364	3922	1604	1131
1994 Federal Surplus/Deficit	1055	-573	-792	-1119	351	-270	-418	456	112	-909	1189	2912	2055	113
1995 Federal Surplus/Deficit	-243	-1561	-529	-922	-529	-709	-358	2103	3215	2682	1449	3976	4075	1719
1996 Federal Surplus/Deficit	712	-698	123	368	2753	3864	4738	4820	3820	3362	3436	4276	4116	3277
1997 Federal Surplus/Deficit	2554	987	-23	-187	286	1545	4787	4768	3899	3247	3386	4099	3868	3332
1998 Federal Surplus/Deficit	2420	1579	1336	2283	1595	449	2301	1812	1913	1437	2261	4274	4145	2211

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Section 11
Monthly Regional
Loads & Resources

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Monthly Regional
Loads & Resources
1-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
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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
Firm Regional Loads														
1 Regional Firm Loads	27754	27754	25879	27199	30516	32866	32806	31439	28956	26972	26972	26414	27435	28847
2 Exports	2762	2762	2755	2348	2214	2217	2217	2216	2213	2237	2245	2217	2733	2741
3 Federal Diversity	-499	-537	-589	-386	-344	-591	-339	-349	-416	-535	-551	-533	-534	-442
4 Total Firm Regional Loads	30017	29979	28045	29161	32385	34493	34683	33306	30753	28674	28666	28099	29634	31146
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30017	29979	28059	29161	32385	34493	34687	33329	30807	28708	28699	28099	29634	31146
Hydro Resources														
8 Regulated Hydro	30824	30729	30638	30626	30957	30974	30323	29763	28912	28510	28197	28722	30398	30947
9 Independent Hydro	1647	1654	1700	1736	1686	1544	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3204	-5749	-6706	-6225	-4694	-4454	-4569	-5120	-4623	-6109	-6808	-2197	-5489	-3664
11 Total Hydro Resources	29267	26633	25632	26137	27949	28064	27209	26167	26001	24217	23329	28641	27088	29115
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5064	5064	5333	5437	5510	5705	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	74	74	74	74	74	74	74	74	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2391	2566	2844
16 Imports	1367	1367	1229	1334	1682	2004	1917	1885	1392	1238	1238	1128	1246	1368
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5196	5286	5866	6996
18 Non-Utility Generation	862	860	772	705	658	638	630	640	621	785	787	945	946	931
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17233	17232	17283	17448	17832	18342	18250	18191	17009	16814	15603	13725	15605	17654
21 Total Resources	46500	43865	42915	43585	45781	46407	45459	44357	43010	41031	38932	42366	42693	46769
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1278	-1276	-1280	-1282	-1290	-1291	-1273	-1260	-1226	-1211	-1164	-1139	-1232	-1297
23 Contingency Reserves (Spinning)	-915	-864	-848	-875	-926	-957	-948	-908	-893	-847	-793	-888	-879	-941
24 Generation Imbalance Reserves	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
25 Load Following Reserves	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1289	-1221	-1198	-1236	-1316	-1366	-1351	-1291	-1236	-1168	-1110	-1227	-1240	-1322
28 Total Reserves, Maintenance & Losses	-9321	-8637	-8357	-7935	-7801	-7007	-6489	-7101	-7338	-7332	-6906	-6969	-6909	-8635
29 Total Net Resources	37179	35228	34557	35650	37980	39399	38970	37257	35672	33699	32026	35397	35784	38134
Surplus/Deficits														
30 Firm Surplus/Deficit	7162	5248	6513	6490	5595	4907	4287	3950	4919	5025	3360	7298	6149	6988
31 Total Surplus/Deficit	7162	5248	6499	6490	5595	4907	4283	3927	4865	4991	3327	7298	6149	6988

Loads and Resources - Pacific Northwest Region
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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	28137	28137	26226	27506	30859	33221	33322	31960	29451	27488	27488	26882	27881	29464
2 Exports	2737	2737	2729	2275	2141	2140	2138	2139	2141	2170	2177	2147	2651	2653
3 Federal Diversity	-521	-561	-597	-336	-296	-509	-292	-297	-364	-466	-481	-484	-483	-396
4 Total Firm Regional Loads	30353	30314	28358	29445	32705	34851	35168	33801	31228	29191	29184	28545	30049	31721
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30353	30314	28373	29445	32705	34851	35171	33824	31282	29225	29218	28545	30049	31721
Hydro Resources														
8 Regulated Hydro	30824	30729	30638	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-2948	-5937	-7164	-7773	-5382	-5389	-5521	-5319	-4642	-6308	-3661	-2112	-5953	-6451
11 Total Hydro Resources	29535	26459	25184	24105	27007	26792	26195	25911	25881	23946	26455	28804	26624	26286
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2107	2850	2844
16 Imports	1250	1251	1111	1216	1646	1969	1982	1950	1381	1227	1227	1111	1253	1376
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5746	6996	6996
18 Non-Utility Generation	862	860	772	705	658	638	618	611	593	756	758	900	917	906
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17463	17462	17307	17472	17938	18299	18304	18229	16969	16704	16623	13567	16998	17637
21 Total Resources	46998	43921	42492	41577	44945	45091	44500	44140	42850	40650	43078	42372	43622	43923
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1287	-1285	-1284	-1273	-1287	-1283	-1271	-1258	-1223	-1206	-1200	-1142	-1278	-1295
23 Contingency Reserves (Spinning)	-931	-869	-842	-830	-907	-924	-920	-899	-889	-823	-892	-927	-903	-865
24 Generation Imbalance Reserves	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
25 Load Following Reserves	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1298	-1216	-1177	-1178	-1297	-1331	-1328	-1292	-1239	-1164	-1252	-1233	-1276	-1236
28 Total Reserves, Maintenance & Losses	-9542	-8833	-8520	-7597	-7533	-6683	-6189	-6871	-7114	-7080	-6964	-6798	-6796	-8253
29 Total Net Resources	37456	35088	33971	33979	37412	38408	38311	37269	35736	33569	36114	35573	36826	35670
Surplus/Deficits														
30 Firm Surplus/Deficit	7104	4775	5613	4535	4707	3557	3143	3468	4508	4378	6930	7029	6776	3949
31 Total Surplus/Deficit	7104	4775	5598	4535	4707	3557	3140	3445	4454	4344	6896	7029	6776	3949

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	28678	28678	26765	28052	31391	33860	33779	32371	29874	27888	27888	27313	28363	29877
2 Exports	2660	2660	2658	2262	2128	2127	2125	2126	2128	2157	2164	2134	2638	2640
3 Federal Diversity	-468	-503	-534	-338	-298	-513	-295	-303	-367	-471	-485	-489	-488	-400
4 Total Firm Regional Loads	30870	30835	28890	29975	33221	35474	35609	34193	31635	29574	29567	28958	30513	32117
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30870	30835	28904	29975	33221	35474	35613	34216	31690	29608	29601	28958	30513	32117
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3420	-6928	-7522	-7786	-4981	-5449	-5495	-5420	-5390	-6093	-7923	-2130	-6090	-4591
11 Total Hydro Resources	28852	25294	24714	24092	27407	26732	26221	25810	25133	24160	22193	28787	26487	28146
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844
16 Imports	1257	1257	1117	1222	1621	1795	1807	1775	1387	1157	1157	1042	1106	1180
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996
18 Non-Utility Generation	833	831	759	678	622	611	608	618	600	763	765	907	932	913
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17441	17439	17301	17450	17878	18098	18121	18061	16981	16909	16828	12930	15452	17447
21 Total Resources	46293	42734	42015	41542	45285	44830	44342	43871	42114	41069	39020	41717	41939	45593
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1281	-1280	-1280	-1273	-1286	-1282	-1271	-1258	-1223	-1220	-1215	-1116	-1232	-1295
23 Contingency Reserves (Spinning)	-910	-834	-824	-823	-912	-918	-918	-893	-867	-828	-785	-885	-858	-911
24 Generation Imbalance Reserves	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
25 Load Following Reserves	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1283	-1185	-1169	-1173	-1304	-1316	-1316	-1277	-1209	-1171	-1113	-1207	-1217	-1285
28 Total Reserves, Maintenance & Losses	-9285	-8548	-8277	-7708	-7667	-6856	-6369	-7017	-7243	-7287	-6913	-6886	-6827	-8529
29 Total Net Resources	37009	34186	33738	33834	37618	37974	37973	36854	34871	33782	32108	34831	35112	37064
Surplus/Deficits														
30 Firm Surplus/Deficit	6139	3351	4848	3859	4397	2500	2363	2661	3236	4208	2540	5873	4599	4947
31 Total Surplus/Deficit	6139	3351	4834	3859	4397	2500	2360	2638	3182	4174	2507	5873	4599	4947

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	29098	29098	27134	28357	31724	34233	34586	33117	30584	28542	28542	28011	29133	30700
2 Exports	2655	2655	2653	2277	2143	2142	2140	2141	2143	2172	2179	2149	2653	2655
3 Federal Diversity	-472	-508	-539	-342	-301	-518	-299	-306	-371	-476	-491	-495	-494	-404
4 Total Firm Regional Loads	31281	31245	29248	30292	33567	35857	36427	34951	32355	30238	30231	29665	31292	32951
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	31281	31245	29263	30292	33567	35857	36431	34974	32410	30271	30264	29665	31292	32951
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3449	-6964	-7392	-7337	-5129	-5248	-5367	-5257	-4970	-5867	-7600	-2103	-5866	-6582
11 Total Hydro Resources	28823	25259	24844	24541	27260	26933	26349	25973	25553	24387	22516	28814	26711	26155
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4882	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844
16 Imports	1059	1059	998	1102	1502	1676	1688	1656	1267	1162	1162	1047	1114	1188
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996
18 Non-Utility Generation	838	836	765	683	627	616	609	619	600	764	766	908	925	913
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17248	17246	17187	17335	17764	17984	18003	17943	16862	17386	16303	13266	16592	17455
21 Total Resources	46071	42505	42031	41877	45023	44918	44352	43916	42415	41774	38819	42080	43302	43611
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1281	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1232	-1196	-1131	-1271	-1295
23 Contingency Reserves (Spinning)	-909	-834	-828	-835	-908	-923	-921	-897	-878	-845	-775	-906	-902	-861
24 Generation Imbalance Reserves	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1270	-1171	-1166	-1178	-1290	-1314	-1311	-1270	-1210	-1185	-1099	-1210	-1252	-1212
28 Total Reserves, Maintenance & Losses	-9445	-8707	-8405	-7884	-7809	-7011	-6541	-7275	-7501	-7577	-7117	-7170	-7191	-8652
29 Total Net Resources	36626	33798	33626	33992	37214	37906	37811	36641	34914	34196	31702	34910	36111	34959
Surplus/Deficits														
30 Firm Surplus/Deficit	5346	2552	4378	3701	3647	2049	1384	1690	2559	3959	1471	5244	4819	2008
31 Total Surplus/Deficit	5346	2552	4364	3701	3647	2049	1380	1667	2504	3925	1438	5244	4819	2008

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	29904	29904	27852	29064	32501	35084	35049	33573	30987	28914	28914	28441	29612	31173
2 Exports	2669	2669	2667	2291	2157	2156	1979	1980	1982	2011	2018	1972	2477	2478
3 Federal Diversity	-478	-513	-545	-345	-304	-523	-301	-310	-374	-480	-495	-499	-498	-408
4 Total Firm Regional Loads	32096	32060	29975	31009	34354	36717	36727	35242	32595	30445	30438	29914	31591	33243
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32096	32060	29989	31009	34354	36717	36731	35265	32650	30478	30471	29914	31591	33243
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3416	-6911	-7372	-7423	-5090	-5052	-5225	-5298	-5058	-5849	-7602	-1886	-6005	-5826
11 Total Hydro Resources	28856	25311	24864	24454	27299	27129	26491	25932	25465	24405	22514	29030	26572	26911
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844
16 Imports	1066	1066	1004	1108	1508	1682	1694	1662	1272	1166	1166	1053	1122	1197
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	4616	5866	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17257	17255	17195	17343	17771	17992	18010	17951	16870	16653	16100	12945	15462	17466
21 Total Resources	46114	42567	42059	41797	45070	45122	44501	43883	42335	41058	38614	41975	42035	44377
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1206	-1189	-1116	-1232	-1295
23 Contingency Reserves (Spinning)	-909	-835	-828	-832	-909	-927	-924	-896	-875	-831	-778	-890	-860	-880
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1265	-1168	-1159	-1170	-1286	-1317	-1313	-1269	-1208	-1163	-1092	-1207	-1212	-1237
28 Total Reserves, Maintenance & Losses	-9615	-8879	-8619	-8047	-7980	-7128	-6633	-7273	-7496	-7515	-7106	-7138	-7069	-8696
29 Total Net Resources	36499	33688	33440	33750	37090	37994	37868	36610	34838	33543	31508	34837	34965	35681
Surplus/Deficits														
30 Firm Surplus/Deficit	4403	1628	3465	2741	2736	1277	1141	1368	2243	3099	1070	4923	3375	2438
31 Total Surplus/Deficit	4403	1628	3451	2741	2736	1277	1137	1345	2189	3065	1036	4923	3375	2438

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	30389	30389	28286	29484	33029	35561	35463	33892	31347	29239	29239	28831	30044	31629
2 Exports	2479	2479	2477	2116	1982	1981	1979	1980	1982	2011	2018	1861	2365	2355
3 Federal Diversity	-482	-518	-549	-350	-308	-529	-305	-310	-378	-485	-500	-504	-503	-412
4 Total Firm Regional Loads	32386	32350	30213	31250	34703	37013	37137	35562	32951	30764	30757	30187	31906	33573
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32386	32350	30228	31250	34703	37013	37141	35585	33005	30798	30791	30187	31906	33573
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3379	-6875	-7312	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
11 Total Hydro Resources	28893	25348	24925	24390	27193	27133	26497	25966	25472	24406	22559	28896	26719	26228
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844
16 Imports	1073	1073	1010	1113	1438	1613	1625	1593	1278	1171	1171	1059	1130	1206
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5796	6416	6996	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17264	17263	17202	17349	17702	17924	17941	17882	16875	16256	15645	14479	16600	17475
21 Total Resources	46157	42610	42126	41738	44895	45057	44439	43848	42347	40663	38204	43375	43319	43703
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1197	-1173	-1173	-1271	-1295
23 Contingency Reserves (Spinning)	-910	-835	-829	-830	-906	-927	-924	-896	-875	-832	-775	-924	-901	-862
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1267	-1169	-1161	-1168	-1280	-1315	-1310	-1268	-1208	-1150	-1079	-1251	-1252	-1215
28 Total Reserves, Maintenance & Losses	-9617	-8881	-8622	-8043	-7971	-7125	-6630	-7272	-7496	-7494	-7073	-7272	-7191	-8656
29 Total Net Resources	36540	33730	33504	33695	36925	37932	37808	36576	34851	33169	31130	36103	36129	35047
Surplus/Deficits														
30 Firm Surplus/Deficit	4155	1380	3291	2445	2221	919	671	1014	1901	2404	373	5915	4222	1474
31 Total Surplus/Deficit	4155	1380	3277	2445	2221	919	668	991	1846	2371	339	5915	4222	1474

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	30874	30874	28692	29819	33384	35931	35900	34438	31744	29647	29647	29189	30462	32144
2 Exports	2355	2355	2355	1994	1958	1955	1955	1955	1958	1988	1995	1851	2355	2355
3 Federal Diversity	-487	-523	-555	-353	-311	-535	-312	-321	-386	-495	-511	-514	-513	-421
4 Total Firm Regional Loads	32743	32707	30493	31460	35031	37351	37543	36072	33315	31139	31131	30526	32303	34078
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32743	32707	30507	31460	35031	37351	37547	36095	33369	31173	31165	30526	32303	34078
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3365	-6814	-7434	-7628	-5178	-5091	-5173	-5208	-4885	-5857	-7508	-1922	-6045	-5881
11 Total Hydro Resources	28907	25409	24802	24250	27211	27090	26543	26022	25638	24397	22608	28995	26532	26856
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5388	5361	5326	5180	5096	3566	4588	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2892	2887	2251	2868	2112	2388	2847	2840
16 Imports	1080	1080	1017	1119	1444	1619	1631	1599	1283	1177	1177	1065	1138	1215
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	6326	5286	5866	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17272	17270	17208	17355	17708	17930	17627	17572	16567	16424	15587	13323	15475	17190
21 Total Resources	46179	42679	42010	41605	44919	45020	44170	43594	42205	40821	38195	42318	42007	44046
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1263	-1250	-1215	-1201	-1176	-1132	-1231	-1288
23 Contingency Reserves (Spinning)	-910	-836	-825	-826	-906	-925	-916	-889	-871	-836	-786	-881	-851	-871
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1267	-1171	-1158	-1164	-1281	-1314	-1302	-1260	-1204	-1155	-1078	-1219	-1211	-1226
28 Total Reserves, Maintenance & Losses	-9618	-8884	-8615	-8035	-7972	-7123	-6607	-7249	-7480	-7507	-7088	-7156	-7060	-8669
29 Total Net Resources	36561	33794	33395	33570	36948	37898	37563	36345	34725	33314	31107	35162	34947	35377
Surplus/Deficits														
30 Firm Surplus/Deficit	3818	1088	2902	2110	1917	547	20	273	1410	2176	-24	4636	2643	1299
31 Total Surplus/Deficit	3818	1088	2888	2110	1917	547	16	250	1356	2142	-58	4636	2643	1299

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	31297	31297	29067	30186	33722	36437	36284	34690	32061	29952	29952	29540	30832	32560
2 Exports	2336	2336	2336	1975	1938	1938	1938	1938	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-497	-534	-566	-361	-318	-547	-315	-323	-390	-500	-515	-519	-518	-425
4 Total Firm Regional Loads	33136	33099	30836	31799	35341	37828	37907	36305	33564	31345	31337	30777	32575	34395
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	33136	33099	30851	31799	35341	37828	37910	36328	33618	31379	31371	30777	32575	34395
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3374	-6759	-7407	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
11 Total Hydro Resources	28898	25463	24830	24390	27193	27133	26497	25966	25472	24406	22559	28896	26719	26228
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3295	4588	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2584	2112	2388	2847	2840
16 Imports	1086	1086	1022	1125	1450	1625	1637	1605	1244	1107	1107	996	1070	1148
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5216	6996	6996
18 Non-Utility Generation	840	838	767	735	679	668	661	671	652	816	818	960	977	964
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16985	16983	16916	17104	17449	17667	17683	17627	16578	16050	15497	12963	16587	17173
21 Total Resources	45882	42446	41745	41493	44642	44800	44180	43594	42050	40457	38056	41859	43305	43401
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1274	-1273	-1273	-1266	-1280	-1276	-1264	-1251	-1216	-1192	-1175	-1124	-1272	-1289
23 Contingency Reserves (Spinning)	-903	-831	-819	-823	-898	-919	-916	-888	-867	-823	-772	-900	-894	-856
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1258	-1164	-1149	-1160	-1272	-1307	-1302	-1260	-1198	-1143	-1074	-1203	-1252	-1205
28 Total Reserves, Maintenance & Losses	-9594	-8864	-8593	-8022	-7949	-7103	-6608	-7249	-7473	-7474	-7068	-7151	-7185	-8634
29 Total Net Resources	36288	33582	33152	33471	36694	37697	37573	36345	34577	32982	30987	34708	36121	34767
Surplus/Deficits														
30 Firm Surplus/Deficit	3152	483	2316	1672	1352	-130	-334	40	1014	1637	-350	3931	3546	373
31 Total Surplus/Deficit	3152	483	2302	1672	1352	-130	-338	17	959	1604	-384	3931	3546	373

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	31654	31654	29398	30515	34082	36824	36671	35085	32407	30277	30277	29873	31185	32930
2 Exports	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-502	-539	-572	-364	-321	-552	-318	-327	-394	-505	-520	-524	-524	-430
4 Total Firm Regional Loads	33413	33375	31087	32080	35654	38165	38246	36651	33906	31665	31657	31105	32922	34761
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	33413	33375	31101	32080	35654	38165	38249	36674	33961	31698	31691	31105	32922	34761
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3365	-6814	-7434	-7638	-4785	-5174	-5689	-5282	-3412	-5792	-7605	-2125	-6092	-5921
11 Total Hydro Resources	28907	25409	24802	24240	27604	27007	26027	25947	27111	24462	22511	28792	26485	26816
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3610	4579	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2396	2396	2388	2563	2840
16 Imports	1018	1018	953	1086	1411	1587	1598	1566	1249	1112	1112	1002	1078	1156
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996
18 Non-Utility Generation	890	888	816	735	679	669	661	671	655	816	822	963	977	963
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16966	16964	16896	17064	17410	17628	17644	17589	16586	16607	16530	12687	15171	17179
21 Total Resources	45873	42373	41698	41304	45014	44635	43670	43536	43697	41069	39042	41479	41656	43996
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1275	-1274	-1274	-1266	-1280	-1276	-1264	-1251	-1216	-1214	-1208	-1111	-1225	-1289
23 Contingency Reserves (Spinning)	-903	-830	-819	-820	-909	-916	-904	-888	-909	-827	-785	-878	-851	-871
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1257	-1162	-1147	-1154	-1284	-1301	-1286	-1258	-1252	-1163	-1106	-1191	-1200	-1224
28 Total Reserves, Maintenance & Losses	-9595	-8862	-8592	-8012	-7972	-7095	-6580	-7247	-7568	-7519	-7146	-7105	-7042	-8668
29 Total Net Resources	36278	33511	33106	33292	37043	37540	37091	36289	36129	33550	31896	34374	34614	35327
Surplus/Deficits														
30 Firm Surplus/Deficit	2865	136	2019	1211	1389	-624	-1155	-362	2223	1885	239	3269	1692	566
31 Total Surplus/Deficit	2865	136	2005	1211	1389	-624	-1159	-385	2168	1852	205	3269	1692	566

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	32013	32013	29731	30847	34445	37213	37060	35373	32751	30597	30597	30200	31530	33292
2 Exports	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-507	-545	-578	-368	-324	-557	-321	-327	-397	-510	-525	-530	-529	-434
4 Total Firm Regional Loads	33767	33729	31413	32408	36013	38549	38632	36940	34246	31980	31972	31427	33262	35118
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	33767	33729	31428	32408	36013	38549	38635	36963	34301	32014	32006	31427	33262	35118
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-3423	-6926	-7445	-7488	-5196	-5048	-5219	-5263	-5050	-5847	-7557	-2021	-5858	-6509
11 Total Hydro Resources	28849	25297	24791	24390	27193	27133	26497	25966	25472	24406	22559	28896	26719	26228
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3339	4579	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2868	2396	2388	2563	2840
16 Imports	1024	1024	959	1091	1417	1593	1604	1572	1255	1117	1117	1008	1086	1164
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996
18 Non-Utility Generation	890	887	813	732	678	668	661	671	652	816	818	960	977	964
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16973	16969	16898	17068	17415	17634	17650	17594	16588	17084	16001	13019	16309	17189
21 Total Resources	45821	42266	41689	41457	44608	44768	44147	43561	42061	41491	38560	41915	43027	43417
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1275	-1274	-1274	-1266	-1280	-1276	-1264	-1251	-1216	-1225	-1190	-1125	-1265	-1289
23 Contingency Reserves (Spinning)	-902	-827	-819	-823	-899	-920	-916	-889	-868	-837	-768	-901	-895	-856
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1256	-1158	-1147	-1159	-1271	-1306	-1301	-1259	-1199	-1176	-1091	-1205	-1243	-1206
28 Total Reserves, Maintenance & Losses	-9592	-8856	-8592	-8021	-7948	-7102	-6607	-7249	-7473	-7554	-7095	-7155	-7169	-8635
29 Total Net Resources	36229	33410	33097	33436	36660	37666	37540	36312	34587	33936	31464	34760	35858	34783
Surplus/Deficits														
30 Firm Surplus/Deficit	2462	-319	1684	1028	647	-883	-1092	-627	341	1956	-508	3333	2597	-336
31 Total Surplus/Deficit	2462	-319	1670	1028	647	-883	-1095	-650	287	1922	-542	3333	2597	-336

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Monthly Regional
Loads & Resources
120-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	27754	27754	25879	27199	30516	32866	32806	31439	28956	26972	26972	26414	27435	28847
2 Exports	2762	2762	2755	2348	2214	2217	2217	2216	2213	2237	2245	2217	2733	2741
3 Federal Diversity	-803	-868	-969	-1370	-1321	-1212	-1327	-1296	-1207	-1169	-1254	-1126	-960	-883
4 Total Firm Regional Loads	29713	29648	27664	28177	31408	33871	33695	32359	29961	28040	27963	27505	29208	30706
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	29713	29648	27678	28177	31408	33871	33698	32382	30016	28074	27997	27505	29208	30706
Hydro Resources														
8 Regulated Hydro	30824	30729	30638	30626	30957	30974	30323	29763	28912	28510	28197	28722	30398	30947
9 Independent Hydro	1647	1654	1700	1736	1686	1544	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5631	-8505	-8643	-7816	-6475	-6944	-7069	-7245	-6855	-8616	-9310	-4957	-7888	-6729
11 Total Hydro Resources	26839	23877	23694	24547	26168	25575	24708	24042	23768	21710	20827	25881	24688	26050
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5064	5064	5333	5437	5510	5705	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	74	74	74	74	74	74	74	74	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2391	2566	2844
16 Imports	1367	1367	1229	1334	1682	2004	1917	1885	1392	1238	1238	1128	1246	1368
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5196	5286	5866	6996
18 Non-Utility Generation	862	860	772	705	658	638	630	640	621	785	787	945	946	931
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17233	17232	17283	17448	17832	18342	18250	18191	17009	16814	15603	13725	15605	17654
21 Total Resources	44073	41109	40977	41994	44000	43917	42959	42233	40777	38524	36429	39606	40293	43704
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1278	-1276	-1280	-1282	-1290	-1291	-1273	-1260	-1226	-1211	-1164	-1139	-1232	-1297
23 Contingency Reserves (Spinning)	-911	-851	-857	-894	-943	-956	-945	-910	-893	-841	-786	-877	-871	-922
24 Generation Imbalance Reserves	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
25 Load Following Reserves	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1207	-1129	-1133	-1182	-1256	-1282	-1267	-1220	-1162	-1084	-1026	-1135	-1160	-1220
28 Total Reserves, Maintenance & Losses	-9236	-8533	-8301	-7900	-7757	-6923	-6402	-7031	-7263	-7243	-6815	-6866	-6821	-8514
29 Total Net Resources	34837	32576	32676	34094	36243	36994	36557	35202	33514	31281	29614	32740	33472	35190
Surplus/Deficits														
30 Firm Surplus/Deficit	5124	2928	5012	5917	4835	3124	2862	2843	3553	3241	1651	5235	4265	4484
31 Total Surplus/Deficit	5124	2928	4998	5917	4835	3124	2859	2820	3499	3207	1617	5235	4265	4484

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	28137	28137	26226	27506	30859	33221	33322	31960	29451	27488	27488	26882	27881	29464
2 Exports	2737	2737	2729	2275	2141	2140	2138	2139	2141	2170	2177	2147	2651	2653
3 Federal Diversity	-838	-906	-984	-1191	-1135	-1046	-1144	-1105	-1055	-1019	-1093	-1024	-869	-790
4 Total Firm Regional Loads	30036	29968	27972	28589	31865	34315	34316	32993	30536	28638	28572	28005	29663	31327
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30036	29968	27986	28589	31865	34315	34319	33016	30591	28672	28606	28005	29663	31327
Hydro Resources														
8 Regulated Hydro	30824	30729	30638	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5450	-8392	-8569	-8971	-6926	-7491	-7596	-7482	-7044	-8545	-9272	-4190	-7570	-7013
11 Total Hydro Resources	27033	24004	23778	22907	25462	24690	24119	23747	23478	21709	20844	26727	25007	25724
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2107	2850	2844
16 Imports	1250	1251	1111	1216	1646	1969	1982	1950	1381	1227	1227	1111	1253	1376
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5746	6996	6996
18 Non-Utility Generation	862	860	772	705	658	638	618	611	593	756	758	900	917	906
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17463	17462	17307	17472	17938	18299	18304	18229	16969	16704	16623	13567	16998	17637
21 Total Resources	44496	41466	41086	40378	43400	42989	42424	41976	40448	38413	37467	40294	42004	43360
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1287	-1285	-1284	-1273	-1287	-1283	-1271	-1258	-1223	-1206	-1200	-1142	-1278	-1295
23 Contingency Reserves (Spinning)	-923	-862	-862	-857	-926	-930	-927	-899	-883	-820	-803	-918	-920	-907
24 Generation Imbalance Reserves	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
25 Load Following Reserves	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1215	-1134	-1130	-1137	-1244	-1261	-1258	-1219	-1158	-1089	-1067	-1164	-1222	-1216
28 Total Reserves, Maintenance & Losses	-9450	-8743	-8493	-7583	-7500	-6619	-6126	-6799	-7027	-7002	-6690	-6721	-6758	-8274
29 Total Net Resources	35046	32723	32593	32795	35901	36371	36298	35177	33421	31411	30777	33574	35246	35086
Surplus/Deficits														
30 Firm Surplus/Deficit	5010	2755	4621	4206	4035	2056	1982	2184	2884	2773	2205	5569	5583	3759
31 Total Surplus/Deficit	5010	2755	4607	4206	4035	2056	1979	2161	2830	2739	2172	5569	5583	3759

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	28678	28678	26765	28052	31391	33860	33779	32371	29874	27888	27888	27313	28363	29877
2 Exports	2660	2660	2658	2262	2128	2127	2125	2126	2128	2157	2164	2134	2638	2640
3 Federal Diversity	-752	-813	-879	-1201	-1144	-1053	-1155	-1128	-1065	-1029	-1104	-1034	-878	-798
4 Total Firm Regional Loads	30586	30525	28545	29112	32375	34934	34750	33368	30937	29016	28949	28413	30124	31719
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30586	30525	28559	29112	32375	34934	34753	33391	30992	29049	28982	28413	30124	31719
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5685	-9105	-8719	-8991	-6829	-7387	-7453	-7379	-7441	-8421	-9097	-4124	-7729	-8348
11 Total Hydro Resources	26587	23118	23517	22887	25559	24794	24263	23851	23082	21833	21019	26793	24848	24389
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844
16 Imports	1257	1257	1117	1222	1621	1795	1807	1775	1387	1157	1157	1042	1106	1180
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996
18 Non-Utility Generation	833	831	759	678	622	611	608	618	600	763	765	907	932	913
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17441	17439	17301	17450	17878	18098	18121	18061	16981	16909	16828	12930	15452	17447
21 Total Resources	44028	40557	40818	40337	43437	42892	42384	41913	40063	38742	37846	39723	40300	41836
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1281	-1280	-1280	-1273	-1286	-1282	-1271	-1258	-1223	-1220	-1215	-1116	-1232	-1295
23 Contingency Reserves (Spinning)	-905	-832	-848	-848	-923	-927	-926	-898	-869	-826	-810	-892	-868	-873
24 Generation Imbalance Reserves	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
25 Load Following Reserves	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1207	-1112	-1128	-1132	-1242	-1251	-1250	-1212	-1140	-1093	-1073	-1140	-1162	-1160
28 Total Reserves, Maintenance & Losses	-9204	-8473	-8261	-7691	-7616	-6800	-6312	-6956	-7176	-7208	-6898	-6826	-6781	-8366
29 Total Net Resources	34824	32085	32558	32645	35822	36092	36072	34957	32888	31534	30949	32896	33519	33470
Surplus/Deficits														
30 Firm Surplus/Deficit	4238	1560	4013	3533	3447	1158	1322	1588	1950	2519	2000	4484	3396	1751
31 Total Surplus/Deficit	4238	1560	3999	3533	3447	1158	1319	1565	1896	2485	1966	4484	3396	1751

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	29098	29098	27134	28357	31724	34233	34586	33117	30584	28542	28542	28011	29133	30700
2 Exports	2655	2655	2653	2277	2143	2142	2140	2141	2143	2172	2179	2149	2653	2655
3 Federal Diversity	-759	-821	-887	-1213	-1154	-1063	-1170	-1139	-1078	-1041	-1117	-1046	-888	-807
4 Total Firm Regional Loads	30994	30932	28900	29421	32713	35312	35556	34118	31649	29673	29605	29114	30898	32548
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	30994	30932	28914	29421	32713	35312	35560	34141	31703	29706	29639	29114	30898	32548
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5587	-9043	-8762	-8951	-6688	-7237	-7367	-7234	-7353	-8176	-8878	-3794	-7474	-8516
11 Total Hydro Resources	26685	23179	23475	22927	25701	24944	24349	23996	23169	22077	21238	27122	25103	24221
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4882	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844
16 Imports	1059	1059	998	1102	1502	1676	1688	1656	1267	1162	1162	1047	1114	1188
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996
18 Non-Utility Generation	838	836	765	683	627	616	609	619	600	764	766	908	925	913
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17248	17246	17187	17335	17764	17984	18003	17943	16862	17386	16303	13266	16592	17455
21 Total Resources	43933	40425	40662	40262	43464	42929	42351	41939	40032	39464	37541	40388	41694	41677
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1281	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1232	-1196	-1131	-1271	-1295
23 Contingency Reserves (Spinning)	-907	-834	-847	-849	-926	-931	-928	-901	-871	-843	-798	-914	-913	-869
24 Generation Imbalance Reserves	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1198	-1102	-1119	-1124	-1237	-1247	-1243	-1204	-1131	-1108	-1055	-1153	-1197	-1147
28 Total Reserves, Maintenance & Losses	-9372	-8638	-8378	-7844	-7774	-6953	-6481	-7213	-7415	-7498	-7096	-7122	-7147	-8595
29 Total Net Resources	34561	31787	32283	32418	35690	35976	35870	34726	32617	31965	30445	33266	34547	33082
Surplus/Deficits														
30 Firm Surplus/Deficit	3568	855	3384	2997	2977	664	314	608	968	2293	840	4153	3649	534
31 Total Surplus/Deficit	3568	855	3369	2997	2977	664	311	585	914	2259	806	4153	3649	534

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	29904	29904	27852	29064	32501	35084	35049	33573	30987	28914	28914	28441	29612	31173
2 Exports	2669	2669	2667	2291	2157	2156	1979	1980	1982	2011	2018	1972	2477	2478
3 Federal Diversity	-768	-830	-897	-1226	-1167	-1074	-1180	-1153	-1086	-1050	-1126	-1055	-895	-814
4 Total Firm Regional Loads	31806	31743	29622	30129	33491	36166	35849	34399	31883	29875	29807	29358	31193	32837
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	31806	31743	29637	30129	33491	36166	35852	34422	31938	29909	29841	29358	31193	32837
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5579	-9019	-8802	-8886	-6608	-7104	-7287	-7244	-7343	-8228	-8915	-3997	-7601	-8465
11 Total Hydro Resources	26693	23204	23435	22992	25781	25077	24429	23986	23179	22026	21201	26920	24976	24272
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844
16 Imports	1066	1066	1004	1108	1508	1682	1694	1662	1272	1166	1166	1053	1122	1197
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	4616	5866	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17257	17255	17195	17343	17771	17992	18010	17951	16870	16653	16100	12945	15462	17466
21 Total Resources	43950	40459	40630	40335	43553	43070	42439	41937	40049	38679	37301	39864	40438	41738
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1206	-1189	-1116	-1232	-1295
23 Contingency Reserves (Spinning)	-907	-834	-846	-851	-928	-934	-930	-901	-871	-824	-796	-895	-870	-870
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1193	-1097	-1111	-1120	-1234	-1248	-1243	-1204	-1131	-1083	-1047	-1137	-1158	-1149
28 Total Reserves, Maintenance & Losses	-9540	-8808	-8589	-8016	-7947	-7066	-6570	-7212	-7415	-7428	-7080	-7072	-7026	-8597
29 Total Net Resources	34410	31651	32041	32319	35605	36004	35870	34724	32634	31251	30221	32793	33412	33140
Surplus/Deficits														
30 Firm Surplus/Deficit	2604	-92	2419	2190	2114	-161	21	325	750	1376	414	3434	2219	304
31 Total Surplus/Deficit	2604	-92	2404	2190	2114	-161	18	302	696	1342	380	3434	2219	304

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	30389	30389	28286	29484	33029	35561	35463	33892	31347	29239	29239	28831	30044	31629
2 Exports	2479	2479	2477	2116	1982	1981	1979	1980	1982	2011	2018	1861	2365	2355
3 Federal Diversity	-774	-837	-904	-1241	-1181	-1087	-1192	-1151	-1098	-1061	-1138	-1066	-905	-823
4 Total Firm Regional Loads	32093	32030	29858	30358	33830	36456	36249	34721	32231	30189	30120	29626	31504	33162
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32093	32030	29872	30358	33830	36456	36253	34744	32286	30223	30153	29626	31504	33162
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5586	-9008	-8793	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
11 Total Hydro Resources	26686	23214	23443	23002	25767	25097	24433	24009	23180	22065	21189	27055	25097	24237
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844
16 Imports	1073	1073	1010	1113	1438	1613	1625	1593	1278	1171	1171	1059	1130	1206
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5796	6416	6996	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17264	17263	17202	17349	17702	17924	17941	17882	16875	16256	15645	14479	16600	17475
21 Total Resources	43951	40477	40645	40351	43469	43021	42375	41891	40056	38321	36834	41534	41697	41712
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1271	-1258	-1223	-1197	-1173	-1173	-1271	-1295
23 Contingency Reserves (Spinning)	-907	-834	-846	-850	-927	-934	-930	-901	-870	-830	-795	-929	-911	-868
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1193	-1098	-1111	-1121	-1231	-1246	-1241	-1202	-1131	-1071	-1032	-1190	-1198	-1148
28 Total Reserves, Maintenance & Losses	-9540	-8808	-8589	-8017	-7943	-7064	-6567	-7211	-7415	-7413	-7047	-7215	-7146	-8595
29 Total Net Resources	34411	31669	32056	32335	35525	35957	35807	34680	32640	30908	29787	34319	34552	33117
Surplus/Deficits														
30 Firm Surplus/Deficit	2317	-362	2198	1976	1696	-499	-442	-41	409	719	-332	4693	3047	-46
31 Total Surplus/Deficit	2317	-362	2184	1976	1696	-499	-446	-64	355	685	-366	4693	3047	-46

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	30874	30874	28692	29819	33384	35931	35900	34438	31744	29647	29647	29189	30462	32144
2 Exports	2355	2355	2355	1994	1958	1955	1955	1955	1958	1988	1995	1851	2355	2355
3 Federal Diversity	-782	-846	-914	-1254	-1193	-1097	-1221	-1194	-1121	-1083	-1161	-1087	-923	-841
4 Total Firm Regional Loads	32447	32384	30134	30559	34149	36788	36634	35199	32580	30552	30481	29953	31893	33658
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32447	32384	30148	30559	34149	36788	36637	35222	32634	30585	30515	29953	31893	33658
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5584	-9022	-8784	-8872	-6633	-7089	-7260	-7253	-7348	-8210	-8977	-4025	-7610	-8460
11 Total Hydro Resources	26688	23201	23453	23006	25756	25092	24456	23977	23175	22044	21139	26891	24967	24277
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5409	5409	5473	5577	5650	5695	5388	5361	5326	5180	5096	3566	4588	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2838	2838	2847	2870	2880	2893	2892	2887	2251	2868	2112	2388	2847	2840
16 Imports	1080	1080	1017	1119	1444	1619	1631	1599	1283	1177	1177	1065	1138	1215
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	6326	5286	5866	6996
18 Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	17272	17270	17208	17355	17708	17930	17627	17572	16567	16424	15587	13323	15475	17190
21 Total Resources	43960	40471	40661	40360	43464	43022	42083	41548	39742	38468	36726	40215	40442	41467
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1282	-1280	-1281	-1273	-1286	-1282	-1263	-1250	-1215	-1201	-1176	-1132	-1231	-1288
23 Contingency Reserves (Spinning)	-906	-833	-846	-850	-926	-933	-922	-892	-862	-834	-797	-886	-870	-862
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1193	-1097	-1112	-1121	-1231	-1246	-1232	-1191	-1121	-1076	-1029	-1148	-1158	-1140
28 Total Reserves, Maintenance & Losses	-9540	-8807	-8589	-8017	-7943	-7063	-6542	-7183	-7389	-7426	-7049	-7090	-7025	-8574
29 Total Net Resources	34420	31663	32071	32344	35522	35959	35541	34366	32353	31043	29676	33124	33417	32893
Surplus/Deficits														
30 Firm Surplus/Deficit	1972	-721	1938	1784	1373	-829	-1092	-833	-227	491	-804	3171	1523	-765
31 Total Surplus/Deficit	1972	-721	1923	1784	1373	-829	-1096	-856	-281	457	-838	3171	1523	-765

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Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	31297	31297	29067	30186	33722	36437	36284	34690	32061	29952	29952	29540	30832	32560
2 Exports	2336	2336	2336	1975	1938	1938	1938	1938	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-798	-863	-933	-1281	-1221	-1122	-1233	-1201	-1132	-1093	-1172	-1098	-932	-849
4 Total Firm Regional Loads	32834	32770	30470	30879	34439	37252	36989	35427	32822	30752	30681	30199	32161	33971
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	32834	32770	30484	30879	34439	37252	36992	35450	32876	30786	30714	30199	32161	33971
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5593	-9006	-8781	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
11 Total Hydro Resources	26678	23216	23456	23002	25767	25097	24433	24009	23180	22065	21189	27055	25097	24237
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3295	4588	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2584	2112	2388	2847	2840
16 Imports	1086	1086	1022	1125	1450	1625	1637	1605	1244	1107	1107	996	1070	1148
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5216	6996	6996
18 Non-Utility Generation	840	838	767	735	679	668	661	671	652	816	818	960	977	964
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16985	16983	16916	17104	17449	17667	17683	17627	16578	16050	15497	12963	16587	17173
21 Total Resources	43663	40199	40372	40106	43216	42764	42116	41636	39758	38115	36686	40018	41684	41410
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1274	-1273	-1273	-1266	-1280	-1276	-1264	-1251	-1216	-1192	-1175	-1124	-1272	-1289
23 Contingency Reserves (Spinning)	-900	-827	-839	-843	-919	-926	-922	-893	-863	-810	-782	-904	-912	-862
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1184	-1089	-1102	-1113	-1223	-1238	-1233	-1194	-1122	-1065	-1028	-1141	-1197	-1138
28 Total Reserves, Maintenance & Losses	-9516	-8785	-8566	-7995	-7921	-7041	-6544	-7188	-7391	-7383	-7032	-7094	-7147	-8573
29 Total Net Resources	34147	31414	31806	32111	35295	35723	35572	34448	32367	30732	29655	32924	34537	32837
Surplus/Deficits														
30 Firm Surplus/Deficit	1312	-1355	1336	1231	856	-1530	-1417	-978	-455	-21	-1026	2725	2376	-1134
31 Total Surplus/Deficit	1312	-1355	1321	1231	856	-1530	-1420	-1001	-510	-54	-1060	2725	2376	-1134

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
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5/1/2010

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	31654	31654	29398	30515	34082	36824	36671	35085	32407	30277	30277	29873	31185	32930
2 Exports	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-806	-872	-942	-1293	-1233	-1133	-1245	-1217	-1143	-1103	-1184	-1109	-942	-858
4 Total Firm Regional Loads	33108	33043	30716	31151	34742	37583	37319	35761	33157	31066	30994	30521	32504	34333
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	33108	33043	30731	31151	34742	37583	37322	35784	33212	31100	31028	30521	32504	34333
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5584	-9022	-8784	-8871	-6613	-7108	-7255	-7246	-7333	-8194	-8964	-4045	-7622	-8461
11 Total Hydro Resources	26688	23201	23453	23006	25775	25073	24461	23983	23189	22059	21152	26871	24955	24276
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3610	4579	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2396	2396	2388	2563	2840
16 Imports	1018	1018	953	1086	1411	1587	1598	1566	1249	1112	1112	1002	1078	1156
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996
18 Non-Utility Generation	890	888	816	735	679	669	661	671	655	816	822	963	977	963
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16966	16964	16896	17064	17410	17628	17644	17589	16586	16607	16530	12687	15171	17179
21 Total Resources	43654	40165	40349	40071	43185	42701	42105	41572	39775	38667	37682	39558	40125	41455
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1275	-1274	-1274	-1266	-1280	-1276	-1264	-1251	-1216	-1214	-1208	-1111	-1225	-1289
23 Contingency Reserves (Spinning)	-900	-827	-839	-843	-919	-925	-922	-892	-863	-823	-805	-886	-862	-863
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1183	-1088	-1102	-1112	-1222	-1236	-1233	-1192	-1122	-1083	-1059	-1127	-1148	-1140
28 Total Reserves, Maintenance & Losses	-9517	-8785	-8566	-7994	-7920	-7038	-6545	-7185	-7392	-7434	-7120	-7048	-7002	-8575
29 Total Net Resources	34137	31380	31783	32077	35265	35663	35560	34387	32383	31232	30563	32510	33123	32880
Surplus/Deficits														
30 Firm Surplus/Deficit	1028	-1662	1066	926	523	-1920	-1759	-1375	-774	166	-431	1989	620	-1453
31 Total Surplus/Deficit	1028	-1662	1052	926	523	-1920	-1762	-1398	-829	132	-465	1989	620	-1453

Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
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[67] 2010 White Book (Final)

5/1/2010

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
1 Regional Firm Loads	32013	32013	29731	30847	34445	37213	37060	35373	32751	30597	30597	30200	31530	33292
2 Exports	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261
3 Federal Diversity	-815	-881	-952	-1307	-1245	-1144	-1257	-1214	-1153	-1114	-1195	-1120	-951	-866
4 Total Firm Regional Loads	33459	33393	31039	31470	35093	37963	37696	36052	33490	31376	31303	30837	32839	34686
Non-Firm Regional Loads														
5 Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
6 Total Non-Firm Regional Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
7 Total Loads	33459	33393	31054	31470	35093	37963	37699	36075	33545	31410	31337	30837	32839	34686
Hydro Resources														
8 Regulated Hydro	30612	30556	30526	30130	30692	30640	30261	29706	28811	28438	28176	28800	30399	30905
9 Independent Hydro	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
10 Operational Peaking Adjustment	-5615	-9037	-8772	-8875	-6622	-7084	-7282	-7221	-7342	-8189	-8927	-3862	-7480	-8500
11 Total Hydro Resources	26657	23185	23465	23002	25767	25097	24433	24009	23180	22065	21189	27055	25097	24237
Other Resources														
12 Small Thermal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13 Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3339	4579	5116
14 Renewables	76	76	76	76	76	76	76	76	76	76	76	76	76	76
15 Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2868	2396	2388	2563	2840
16 Imports	1024	1024	959	1091	1417	1593	1604	1572	1255	1117	1117	1008	1086	1164
17 Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996
18 Non-Utility Generation	890	887	813	732	678	668	661	671	652	816	818	960	977	964
19 Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Resources	16973	16969	16898	17068	17415	17634	17650	17594	16588	17084	16001	13019	16309	17189
21 Total Resources	43630	40154	40363	40070	43181	42732	42083	41603	39769	39149	37190	40074	41406	41426
Reserves & Maintenance														
22 Contingency Reserves (Non-Spinning)	-1275	-1274	-1274	-1266	-1280	-1276	-1264	-1251	-1216	-1225	-1190	-1125	-1265	-1289
23 Contingency Reserves (Spinning)	-899	-826	-839	-843	-919	-926	-922	-893	-863	-834	-788	-905	-904	-862
24 Generation Imbalance Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
25 Load Following Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
26 Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
27 Regional Transmission Losses	-1182	-1087	-1102	-1112	-1222	-1237	-1232	-1193	-1122	-1098	-1044	-1143	-1188	-1139
28 Total Reserves, Maintenance & Losses	-9516	-8784	-8567	-7994	-7920	-7040	-6543	-7187	-7392	-7473	-7069	-7097	-7123	-8573
29 Total Net Resources	34114	31371	31796	32077	35262	35692	35540	34417	32377	31676	30122	32977	34282	32853
Surplus/Deficits														
30 Firm Surplus/Deficit	655	-2022	756	607	168	-2271	-2156	-1635	-1113	300	-1181	2140	1443	-1833
31 Total Surplus/Deficit	655	-2022	742	607	168	-2271	-2159	-1658	-1167	266	-1215	2140	1443	-1833

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Section 12
Monthly Regional 70-Water Year Surplus/Deficit

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Monthly Regional 70-Water Year Surplus/Deficit 1-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	8279	5003	7205	6687	5344	5065	4072	4596	6164	5814	7425	5208	7832	7889
1930 Regional Surplus/Deficit	6105	4491	6877	6560	5078	4974	4191	4268	5481	5832	8821	4116	5748	7648
1931 Regional Surplus/Deficit	4560	4455	6421	6208	5503	4891	3984	4367	4922	7106	3427	6148	5095	7591
1932 Regional Surplus/Deficit	6946	4965	6879	5619	4626	4834	3258	3579	6727	9685	10286	9633	10215	9075
1933 Regional Surplus/Deficit	6123	5736	7272	6840	4980	6076	8988	8386	5936	9379	9486	8703	10057	10020
1934 Regional Surplus/Deficit	9434	8376	8342	7933	8703	9974	9883	10144	10650	11316	9977	8834	8767	8706
1935 Regional Surplus/Deficit	5007	4490	6882	6456	4951	5263	8417	9395	5398	8036	9510	9389	8472	9632
1936 Regional Surplus/Deficit	8849	5422	6698	6695	5127	4842	3512	5402	5696	7191	10121	9457	10193	8421
1937 Regional Surplus/Deficit	7162	5248	6499	6490	5595	4907	4283	3927	4865	4991	3327	7298	6149	6988
1938 Regional Surplus/Deficit	7457	5570	6924	6541	5025	5966	8651	7085	9426	10599	10151	9357	9675	9537
1939 Regional Surplus/Deficit	6009	4768	7345	6906	5134	5094	4527	4668	7492	8442	10095	9780	7668	7877
1940 Regional Surplus/Deficit	4849	4313	6490	6710	5497	6030	4597	5536	10189	10516	10003	8938	8695	7065
1941 Regional Surplus/Deficit	4458	4212	6770	6413	5428	5538	4150	5030	8363	6552	7328	6506	5455	7307
1942 Regional Surplus/Deficit	6455	5372	7934	5728	5509	6407	6297	7308	5466	6955	9315	8630	9868	9919
1943 Regional Surplus/Deficit	8833	6839	7529	7071	5017	5557	7741	9199	10111	11874	10647	9300	10010	9975
1944 Regional Surplus/Deficit	8285	5167	6780	6529	5390	5110	4171	4819	5855	5832	7526	4245	4239	5960
1945 Regional Surplus/Deficit	5660	4216	7022	5692	4569	4745	3615	3821	5096	4891	3361	9103	8915	7557
1946 Regional Surplus/Deficit	6599	4853	6687	6382	5601	6206	7280	6247	10119	11389	10358	9385	9729	9987
1947 Regional Surplus/Deficit	8427	5795	7516	6647	5594	9074	9083	9616	10141	10757	9991	9477	10207	9868
1948 Regional Surplus/Deficit	7823	5291	7236	10331	8877	7243	9644	7257	9202	9691	10299	9692	9432	10076
1949 Regional Surplus/Deficit	9328	8422	8217	7472	5397	5838	4491	7818	10368	11033	10512	9744	10119	7189
1950 Regional Surplus/Deficit	5662	4424	6660	6668	5173	5649	8118	9336	10305	11400	10128	8716	9614	10190
1951 Regional Surplus/Deficit	8832	7037	7768	8519	8029	9638	10027	10720	10781	11483	10051	9351	9662	10094
1952 Regional Surplus/Deficit	9224	5901	7282	9564	6928	7305	9565	8696	7557	11612	10723	9703	10476	9742
1953 Regional Surplus/Deficit	8345	5640	6957	6514	5138	5003	5154	9750	8152	6346	9445	9585	10459	10278
1954 Regional Surplus/Deficit	8677	5922	7346	7442	5640	6668	8065	9464	8608	10708	10042	9336	9589	9963
1955 Regional Surplus/Deficit	9554	9979	10843	7462	7006	6597	5232	5255	6479	7133	8737	8497	10222	9998
1956 Regional Surplus/Deficit	9522	7929	7265	7772	8040	9323	9912	9506	9733	10664	9382	9175	10014	10310
1957 Regional Surplus/Deficit	8767	6777	7570	7822	5269	6494	6732	7066	10276	11216	9978	9859	10057	9016
1958 Regional Surplus/Deficit	6882	4817	6981	6651	5519	5495	6472	9617	9204	10073	10373	9666	10465	9029
1959 Regional Surplus/Deficit	6910	5492	6835	7085	6323	8234	9791	9553	8326	11623	9944	8965	9665	9543
1960 Regional Surplus/Deficit	8963	6528	11079	10836	9316	8711	8753	8359	9771	12056	10149	9246	10268	9593
1961 Regional Surplus/Deficit	7620	5037	7092	6903	5193	5401	8163	8425	10395	11347	9184	9227	9473	9143
1962 Regional Surplus/Deficit	7712	6155	6768	6113	5526	5889	7132	8162	6924	10771	10398	9226	10136	8378
1963 Regional Surplus/Deficit	7064	5384	6598	8072	6792	8053	8190	9316	5801	8932	9227	9511	10150	9726
1964 Regional Surplus/Deficit	8622	5865	7181	6499	5356	5979	6037	7977	5632	9145	7450	8972	10402	10109
1965 Regional Surplus/Deficit	9412	6698	8790	8474	6596	9295	9972	10087	10255	10748	10274	8676	10488	9639
1966 Regional Surplus/Deficit	9037	7805	7883	7769	5317	5842	7926	6833	5657	11856	9750	9462	9136	9667
1967 Regional Surplus/Deficit	8654	5590	6854	6573	5145	6022	9647	9195	8159	9160	6020	8753	9703	10130
1968 Regional Surplus/Deficit	9158	6203	7356	7341	5364	6101	8730	9620	9791	6192	8177	8874	10014	9970
1969 Regional Surplus/Deficit	9082	7661	9822	8765	8394	7384	9932	9523	9550	11034	9906	9625	10179	9980
1970 Regional Surplus/Deficit	7885	4943	7192	7514	5675	5376	5614	9122	9022	9025	8757	9007	10682	9495
1971 Regional Surplus/Deficit	6669	4668	6724	6725	5500	5862	9586	9652	10300	11267	9860	9322	10192	10311
1972 Regional Surplus/Deficit	9538	8452	8213	7801	5755	6404	9783	9585	10464	11358	9852	8920	9682	9882
1973 Regional Surplus/Deficit	9521	9700	8476	7409	5710	6862	6588	5410	6447	4846	7399	8008	6744	7858
1974 Regional Surplus/Deficit	4582	4133	6532	6466	4975	8195	10095	10113	10118	10735	9456	7953	9617	10121
1975 Regional Surplus/Deficit	9418	8586	7859	6364	5393	5573	7473	8185	10359	7399	9060	9245	10274	10224
1976 Regional Surplus/Deficit	8035	6882	8136	8937	8656	10231	10100	9877	10283	11495	9936	9376	10360	10072
1977 Regional Surplus/Deficit	9584	9969	11659	7454	5597	5108	4019	5090	5770	4833	5401	3316	4012	6129
1978 Regional Surplus/Deficit	6331	5058	7108	5270	4628	6641	7020	7333	9027	11181	9988	9286	9291	9799
1979 Regional Surplus/Deficit	7658	5869	9912	7748	5599	5126	4487	7479	9892	8409	8335	9268	6891	7113
1980 Regional Surplus/Deficit	4231	4075	6309	6276	5254	5753	3788	6757	6208	8278	10233	9605	9968	8741
1981 Regional Surplus/Deficit	6147	4546	6919	6659	5740	8831	9325	7981	9116	6367	8996	8827	10075	9885
1982 Regional Surplus/Deficit	9149	8918	7435	7109	5983	6011	8650	9514	10059	11403	9672	8758	9825	10049
1983 Regional Surplus/Deficit	9305	7618	9529	8756	6549	6691	9387	8907	10234	11157	9892	9194	9999	10127
1984 Regional Surplus/Deficit	9423	7808	8341	7362	9280	6254	9485	7417	10262	11479	10029	9132	10584	10104
1985 Regional Surplus/Deficit	8895	5602	7790	7192	6384	6000	6667	4740	9078	11117	10027	9597	8021	7007
1986 Regional Surplus/Deficit	4519	4231	6781	6899	7348	4942	8143	9553	10641	11348	9994	8777	9362	9173
1987 Regional Surplus/Deficit	7793	4970	6704	6376	6065	5417	4254	5600	7609	8920	8686	8553	8031	7447
1988 Regional Surplus/Deficit	4512	3992	6265	5519	4979	4683	3429	4191	5153	6032	8470	8565	5103	8295
1989 Regional Surplus/Deficit	6985	4999	6578	5615	4785	5229	3687	5919	8475	11338	10070	9557	8471	7475
1990 Regional Surplus/Deficit	4418	4272	6490	6245	5479	7049	8893	8697	8573	11047	10202	8990	10234	9278
1991 Regional Surplus/Deficit	8262	6399	6514	6019	8137	7261	9015	9065	6909	10538	9307	9221	9583	9831
1992 Regional Surplus/Deficit	9222	7369	6960	6167	4936	4933	4531	4428	9170	6899	7682	7427	5423	6747

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	3941	3854	6147	5670	4928	4939	3868	4545	6061	7476	7273	8963	7244	8707
1994 Regional Surplus/Deficit	6944	5515	5985	5357	5725	5439	4399	5472	5921	5814	9650	8381	6729	7872
1995 Regional Surplus/Deficit	4318	4101	6268	5863	4723	5290	5548	9093	10162	10115	8201	9401	9499	9622
1996 Regional Surplus/Deficit	7246	5289	6802	7772	9331	9788	9771	10051	9996	11194	10378	9082	10392	10048
1997 Regional Surplus/Deficit	9313	6441	7556	7171	5317	7190	9777	9365	9703	10502	9601	8524	9793	10078
1998 Regional Surplus/Deficit	9426	7761	9853	10671	7458	5918	8316	8653	9495	9031	8916	9215	10369	9755

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	8138	4500	6491	6036	4811	3929	3111	4238	4947	5645	7586	5305	8124	4806
1930 Regional Surplus/Deficit	6140	3954	6101	4853	4182	3661	3101	3690	4713	5250	6872	4569	5637	6720
1931 Regional Surplus/Deficit	4727	3937	5569	4194	4747	3430	2489	3508	4541	5095	6984	7370	4315	5962
1932 Regional Surplus/Deficit	6877	4494	6256	4314	3519	3560	1341	2579	6524	8754	10438	8890	9301	6709
1933 Regional Surplus/Deficit	6144	5304	6686	5554	3896	6099	7259	8074	9499	9828	9311	8429	9136	8669
1934 Regional Surplus/Deficit	9217	8106	7786	7032	8818	8969	9141	9805	10445	10539	10059	8302	9210	6804
1935 Regional Surplus/Deficit	5142	3962	6181	5225	3670	4063	6077	9071	7810	9879	9502	8490	8929	8299
1936 Regional Surplus/Deficit	8654	4962	5942	5325	4300	3621	804	4216	5307	7075	10357	9170	9931	6393
1937 Regional Surplus/Deficit	7104	4775	5598	4535	4707	3557	3140	3445	4454	4344	6896	7029	6776	3949
1938 Regional Surplus/Deficit	7379	5121	6217	5500	3788	5283	7330	6899	10136	10771	10630	8904	9970	7854
1939 Regional Surplus/Deficit	6057	4247	6754	5826	4290	3603	2949	4180	6097	10157	10080	9220	7574	6345
1940 Regional Surplus/Deficit	5004	3813	5526	4929	4538	4945	3840	4684	9625	10587	10046	8656	8349	5678
1941 Regional Surplus/Deficit	4679	3664	6071	5389	4911	4239	2517	4261	7846	6100	8129	5930	5835	5407
1942 Regional Surplus/Deficit	6431	4922	7381	4665	5153	5653	7062	3801	5530	7579	9701	8103	9938	8396
1943 Regional Surplus/Deficit	8642	6478	6914	5804	3828	4552	6747	7355	10411	10835	10636	8818	9820	8031
1944 Regional Surplus/Deficit	8147	4670	5537	5087	4760	3872	3390	4452	5407	5265	8414	4524	3816	3836
1945 Regional Surplus/Deficit	5653	3733	6416	4700	3805	3373	2170	2945	4611	4494	6888	8209	9527	4317
1946 Regional Surplus/Deficit	6598	4348	5864	4314	4340	5439	4644	5754	10291	11024	10560	8865	9690	8281
1947 Regional Surplus/Deficit	8287	5346	6896	5682	5007	8783	8234	9691	10309	10683	10085	8979	9830	8513
1948 Regional Surplus/Deficit	7711	4807	6577	10092	7686	6992	8949	6166	9860	10154	10561	9028	8465	9081
1949 Regional Surplus/Deficit	9119	8154	7652	6549	4716	5079	3646	4733	10432	10940	10669	9163	9677	5056
1950 Regional Surplus/Deficit	5754	3962	5419	4676	4362	4319	7333	9616	10490	10557	10421	8275	8583	8836
1951 Regional Surplus/Deficit	8664	6679	7158	7702	8458	9184	9396	9948	10423	11067	10561	8876	9848	8921
1952 Regional Surplus/Deficit	9021	5463	6593	9100	6435	7049	8508	8752	8986	11192	10869	9016	10308	8151
1953 Regional Surplus/Deficit	8214	5173	6081	4805	4041	3635	2029	8542	9137	8979	9686	8982	9557	9024
1954 Regional Surplus/Deficit	8523	5480	6675	6515	5073	6289	5993	9889	10129	10809	10344	8855	8793	8511
1955 Regional Surplus/Deficit	9311	9768	10160	6541	6637	6225	3224	5276	5086	6801	8926	8445	8960	8741
1956 Regional Surplus/Deficit	9305	7627	6504	6789	7413	8984	9333	9469	9574	10228	10137	8819	9801	9194
1957 Regional Surplus/Deficit	8606	6401	6942	6927	4756	6445	5489	3986	10477	11046	10169	9163	10008	7414
1958 Regional Surplus/Deficit	6863	4293	6250	5505	4798	4126	4527	7716	10352	10907	10635	9005	9903	7375
1959 Regional Surplus/Deficit	6892	5023	6074	5398	5964	8006	9267	9820	10063	10868	10210	8583	9199	8350
1960 Regional Surplus/Deficit	8787	6136	10394	10473	8927	8156	8114	8055	8241	10405	10413	8921	9968	8150
1961 Regional Surplus/Deficit	7537	4536	6460	6060	4734	5030	5574	8961	10472	10653	9353	8726	8835	7662
1962 Regional Surplus/Deficit	7614	5752	5929	4192	4678	4715	6994	6860	5852	10856	10436	8834	9823	5376
1963 Regional Surplus/Deficit	7014	4920	5771	6433	6559	7779	7173	8625	8444	8363	9455	9112	10227	8161
1964 Regional Surplus/Deficit	8454	5432	6537	5453	4608	5264	5323	5890	5566	10101	9495	8729	9552	8957
1965 Regional Surplus/Deficit	9194	6325	8242	7572	5972	8868	9272	9657	9819	10334	10619	8438	10399	8361
1966 Regional Surplus/Deficit	8847	7501	7272	6816	5079	5699	6716	6878	5258	10482	10086	8708	9762	8325
1967 Regional Surplus/Deficit	8496	5128	6043	4933	4339	5823	8747	9633	9944	9673	6875	8312	9341	9057
1968 Regional Surplus/Deficit	8959	5794	6754	6419	5537	5703	7016	9684	10195	8207	8321	7995	9764	8794
1969 Regional Surplus/Deficit	8888	7341	9215	7892	7700	7127	9273	9572	9734	10554	10265	9034	9880	8775
1970 Regional Surplus/Deficit	7776	4437	6479	6126	5110	4134	5699	6026	9723	9855	9071	8734	10172	7498
1971 Regional Surplus/Deficit	6663	4147	5858	4967	4442	4552	9081	9888	10275	10723	10318	8844	9914	9304
1972 Regional Surplus/Deficit	9310	8179	7645	6874	5302	5857	8789	10003	10300	10227	10421	8552	8717	8671
1973 Regional Surplus/Deficit	9278	9483	7912	6528	5424	6487	5740	4847	5951	4429	7833	7557	7547	5298
1974 Regional Surplus/Deficit	4756	3670	5526	4423	3780	7263	9311	9778	9596	10272	10049	7620	8582	8825
1975 Regional Surplus/Deficit	9203	8324	7258	5354	4889	4556	5706	7792	10432	8391	8697	8909	10096	9184
1976 Regional Surplus/Deficit	7925	6510	7575	8054	8383	9312	9458	9985	10340	11065	10392	8838	10082	8945
1977 Regional Surplus/Deficit	9341	9761	11128	6519	5036	4068	3121	4813	5363	4383	7104	2978	3212	3903
1978 Regional Surplus/Deficit	6282	4615	6453	4262	3506	5986	5850	6112	9902	10463	10105	8874	9697	8443
1979 Regional Surplus/Deficit	7546	5442	9261	6837	4937	3466	3720	6076	9291	8218	9498	9220	7880	5116
1980 Regional Surplus/Deficit	4453	3527	5355	4295	4452	3959	2205	3671	7389	10074	10414	9177	10008	5908
1981 Regional Surplus/Deficit	6167	4030	6281	5737	4856	8457	8892	8889	8196	6318	9183	8619	9081	8859
1982 Regional Surplus/Deficit	8916	8688	6792	6168	5548	5466	6126	9950	10252	10980	9841	8387	9340	9008
1983 Regional Surplus/Deficit	9081	7312	8922	7905	5921	6297	7884	9226	10384	10920	9903	8712	10184	9096
1984 Regional Surplus/Deficit	9204	7498	7778	6433	8656	5757	8948	8077	10823	11213	10238	8821	9861	9064
1985 Regional Surplus/Deficit	8720	5131	7209	6266	5759	5459	5229	5184	8521	10743	10150	8788	9488	2944
1986 Regional Surplus/Deficit	4740	3767	5937	5646	6425	3687	6268	9198	10729	10628	10316	8534	10224	7733
1987 Regional Surplus/Deficit	7678	4476	5816	4255	5225	4484	3212	4566	7054	7226	9010	8675	8762	6751
1988 Regional Surplus/Deficit	4650	3528	5224	3756	3827	2959	1783	3572	4572	5290	8728	7888	5494	6464
1989 Regional Surplus/Deficit	6926	4529	5838	4362	3694	3664	2270	4935	6942	10792	10234	8848	9519	3535
1990 Regional Surplus/Deficit	4639	3728	5655	4348	5085	6698	6295	9307	9089	9535	10453	8622	9211	7655
1991 Regional Surplus/Deficit	8109	6011	5604	4072	8406	6899	8164	9483	9416	10529	9782	8767	9571	8643
1992 Regional Surplus/Deficit	8998	7042	6184	4457	4470	3452	3541	5527	8767	6084	7907	7021	5050	4667

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	4159	3311	4900	4434	4053	3680	2661	3752	4853	6645	7214	8518	7814	6972
1994 Regional Surplus/Deficit	6866	5080	4743	3967	4658	4012	3036	4940	5152	5159	8988	7978	8342	5416
1995 Regional Surplus/Deficit	4530	3552	5130	4216	3646	3551	3320	7427	10419	10456	9095	9057	10197	7676
1996 Regional Surplus/Deficit	7183	4827	6153	6777	8905	9244	9273	9764	10226	10631	10625	8835	9717	8997
1997 Regional Surplus/Deficit	9097	6055	6911	6223	5154	6874	9195	9311	9789	10496	10247	8302	8990	8896
1998 Regional Surplus/Deficit	9216	7443	9242	10172	7636	5409	7268	6988	8424	8817	9804	8895	9706	8251

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	7650	3434	5436	5299	4446	2868	2369	3425	4173	5446	6816	4312	5897	4967
1930 Regional Surplus/Deficit	6287	3755	5583	4154	3799	2594	2337	2883	4182	5049	5864	3605	3460	6314
1931 Regional Surplus/Deficit	6580	3615	5209	3544	4433	2366	1762	2698	1012	4898	2595	6073	2128	5597
1932 Regional Surplus/Deficit	4678	2197	4669	3645	3069	2498	756	1820	5997	8394	9609	7432	7991	6364
1933 Regional Surplus/Deficit	6487	4046	5836	4842	3412	5111	6341	7248	8605	9336	8426	7108	7780	7640
1934 Regional Surplus/Deficit	8434	7402	6267	6234	8426	7905	8529	9294	9413	10078	9232	6780	6970	6334
1935 Regional Surplus/Deficit	4393	3162	5147	4499	3130	3009	5170	8250	7137	9377	8615	7012	6649	7253
1936 Regional Surplus/Deficit	7938	3748	5079	4637	3907	2558	336	3403	4860	6810	9502	7699	8226	6091
1937 Regional Surplus/Deficit	6139	3351	4834	3859	4397	2500	2360	2638	3182	4174	2507	5873	4599	4947
1938 Regional Surplus/Deficit	6335	3675	5501	4782	3287	4273	6410	6070	9140	10108	9801	7440	8097	7145
1939 Regional Surplus/Deficit	5437	2987	5566	5088	3876	2513	2227	3369	5628	9622	9201	7692	5372	6034
1940 Regional Surplus/Deficit	5449	3083	5154	4195	4233	3941	3040	3870	8776	9964	9170	7211	6098	5496
1941 Regional Surplus/Deficit	4561	2819	5077	4652	4603	3197	1845	3450	7165	5869	7311	4796	3656	5100
1942 Regional Surplus/Deficit	5213	2593	5530	4011	4857	4655	6152	2994	5079	7288	8813	6663	8332	7390
1943 Regional Surplus/Deficit	7691	4859	6527	5079	3310	3510	5821	6525	9408	10447	9821	7338	7765	7283
1944 Regional Surplus/Deficit	6833	4439	5484	4400	4385	2801	2634	3638	4978	5068	7578	3542	1603	3908
1945 Regional Surplus/Deficit	5133	2539	4876	4034	3367	2291	1514	2186	3763	4324	2499	6737	7132	4972
1946 Regional Surplus/Deficit	6631	3274	5371	3707	3923	4434	3814	4929	9258	10435	9732	7361	8060	7423
1947 Regional Surplus/Deficit	7471	4817	6323	4990	4651	7777	7349	8881	9389	10083	9200	7453	8118	7407
1948 Regional Surplus/Deficit	7108	4283	5814	9305	7547	6012	8120	5340	8907	9628	9692	7567	7277	7731
1949 Regional Surplus/Deficit	8398	7642	6546	5782	4333	4064	2853	3916	9481	10309	9842	7678	8207	5129
1950 Regional Surplus/Deficit	4650	2825	5011	4016	3958	3277	6422	8803	9617	10239	9600	6982	7465	7731
1951 Regional Surplus/Deficit	8454	6782	6371	6888	8314	8172	8742	9545	9596	10504	9733	7370	8032	7705
1952 Regional Surplus/Deficit	8314	5149	6410	8263	6216	6068	7647	7919	8208	10578	10041	7544	8615	7338
1953 Regional Surplus/Deficit	7537	3858	5224	4127	3615	2568	1419	7706	8323	8588	8797	7454	8073	7739
1954 Regional Surplus/Deficit	7351	5439	6089	5748	4736	5301	5098	9086	9286	10247	9458	7340	7418	7618
1955 Regional Surplus/Deficit	8543	8813	9286	5772	6444	5238	2492	4453	4659	6567	8050	7011	7677	7691
1956 Regional Surplus/Deficit	8475	6660	5567	6009	7255	7973	8688	8756	9005	9854	9325	7320	7670	7919
1957 Regional Surplus/Deficit	7825	5460	6144	6142	4367	5459	4601	3180	9465	10659	9288	7787	7841	6820
1958 Regional Surplus/Deficit	6525	3204	5499	4798	4442	3061	3709	6874	9314	10279	9768	7648	8385	6829
1959 Regional Surplus/Deficit	6311	3925	5507	4683	5719	7012	8565	9018	9079	10458	9322	7221	7576	7372
1960 Regional Surplus/Deficit	8445	5748	9790	10061	8500	7159	7240	7227	7572	10184	9524	7393	8215	7265
1961 Regional Surplus/Deficit	7663	3787	5256	5311	4360	4019	4680	8131	9445	10042	8466	7230	7346	6892
1962 Regional Surplus/Deficit	5894	3963	5487	3568	4309	3690	6082	6031	5389	10404	9611	7311	8246	5241
1963 Regional Surplus/Deficit	6342	3755	5114	5635	6362	6786	6265	7790	7708	8046	8574	7629	7820	7219
1964 Regional Surplus/Deficit	7405	4457	6058	4779	4212	4255	4448	5065	5122	9622	8611	7200	8173	7758
1965 Regional Surplus/Deficit	8409	5773	7041	6753	5724	7856	8616	8945	9251	9806	9791	7171	8438	7418
1966 Regional Surplus/Deficit	8286	6643	5856	6025	4752	4704	5803	6049	4605	10073	9196	7213	7406	7262
1967 Regional Surplus/Deficit	7743	4111	5533	4247	3920	4829	7895	8921	9233	9235	4854	7104	7522	7698
1968 Regional Surplus/Deficit	8149	4592	6094	5659	5243	4705	6101	8867	9251	7882	7478	6686	8073	7477
1969 Regional Surplus/Deficit	8207	6456	8177	7070	7559	6146	8492	8860	8847	10182	9443	7543	8225	7576
1970 Regional Surplus/Deficit	7422	3606	5357	5370	4780	3075	4815	5201	8835	9400	8198	7236	8543	6952
1971 Regional Surplus/Deficit	6969	3237	5338	4281	4044	3510	8244	9335	9493	10282	9450	7350	8057	7975
1972 Regional Surplus/Deficit	8562	7501	6547	6094	4954	4861	7924	9316	9375	10023	9555	7367	7533	7642
1973 Regional Surplus/Deficit	8591	8869	7114	5762	5107	5500	4854	4030	5479	4235	7016	6238	5345	5158
1974 Regional Surplus/Deficit	5830	2822	5355	3763	3270	6270	8688	9066	9029	9900	9398	6481	7447	7789
1975 Regional Surplus/Deficit	8481	8301	6407	4704	4521	3510	4822	6963	9418	8067	7841	7427	8092	7927
1976 Regional Surplus/Deficit	7877	6770	7062	7231	8238	8165	8822	9155	9466	10394	9562	7367	8310	7707
1977 Regional Surplus/Deficit	8562	8806	10190	5747	4691	3015	2360	3994	4925	4213	6249	2216	1002	4006
1978 Regional Surplus/Deficit	5470	2882	4999	3687	2967	4982	4951	5285	8967	10009	9216	7400	7336	7429
1979 Regional Surplus/Deficit	6816	4022	8468	6038	4599	2374	2913	5250	8477	7891	8610	7698	5670	4984
1980 Regional Surplus/Deficit	4214	2715	5000	3624	4101	2904	1583	2867	6779	9500	9537	7729	8340	5682
1981 Regional Surplus/Deficit	5000	2893	5539	4992	4512	7458	8065	8059	7488	6092	8298	7104	7733	7474
1982 Regional Surplus/Deficit	7920	7787	5958	5416	5278	4463	5220	9238	9501	10315	8961	7001	7747	7708
1983 Regional Surplus/Deficit	8257	7889	7891	7082	5660	5310	6974	8402	9531	10404	9025	7198	8532	7737
1984 Regional Surplus/Deficit	8139	7176	6657	5665	8507	4758	8093	7238	9614	10500	9386	7294	8405	7693
1985 Regional Surplus/Deficit	7948	4965	6458	5518	5477	4457	4351	4363	7762	10085	9283	7293	7159	4977
1986 Regional Surplus/Deficit	4503	2708	4991	4912	6237	2627	5360	8362	9832	10102	9487	7062	8204	6955
1987 Regional Surplus/Deficit	7283	3537	5183	3621	4919	3447	2490	3752	6499	6955	8133	7190	6451	6329
1988 Regional Surplus/Deficit	4260	2494	4957	3148	3463	1877	1111	2764	4004	5091	7864	6630	3310	6081
1989 Regional Surplus/Deficit	6434	3530	4967	3727	3197	2597	1620	4115	6386	10350	9405	7316	7183	4990
1990 Regional Surplus/Deficit	4851	3364	5217	3694	4806	5717	5383	8495	8264	9089	9626	7091	7902	6985
1991 Regional Surplus/Deficit	7923	5202	5125	3493	8247	5919	7295	8771	8529	10127	8903	7239	7887	7452
1992 Regional Surplus/Deficit	8227	6876	5506	3829	4088	2361	2749	4704	7968	5856	7075	5784	2872	4520

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	3920	2213	4829	3733	3659	2620	1924	2940	4296	6407	5701	7000	5598	6551
1994 Regional Surplus/Deficit	6459	3753	4898	3361	4359	2976	2297	4119	4746	4961	8116	6693	6078	5245
1995 Regional Surplus/Deficit	4744	2946	4996	3557	3180	2470	2586	6585	9398	9834	8213	7530	8543	7024
1996 Regional Surplus/Deficit	6448	4176	5562	5976	8469	7996	8633	9302	9571	10288	9814	7377	8191	7714
1997 Regional Surplus/Deficit	8364	6497	6032	5478	4824	5879	8547	8599	9222	9965	9438	6955	7685	7735
1998 Regional Surplus/Deficit	8423	7512	8082	9416	7496	4406	6346	6159	7728	8438	8917	7517	8232	7337

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6572	2621	5094	5208	3761	2426	1383	2431	3410	5172	5496	3738	6117	2894
1930 Regional Surplus/Deficit	5495	3004	5303	4022	3136	2166	1355	1916	3379	4774	4570	3041	3665	4745
1931 Regional Surplus/Deficit	5720	2883	4895	3355	3688	1933	773	1718	846	4626	1526	5401	2316	4001
1932 Regional Surplus/Deficit	3960	1167	4203	3478	2489	2058	-266	952	4987	8069	8248	6707	7594	4755
1933 Regional Surplus/Deficit	5649	3358	5620	4724	2874	4505	5305	6115	7489	8969	7042	6385	7338	6619
1934 Regional Surplus/Deficit	7024	6465	6020	6200	7378	7161	7417	8169	8531	9587	7942	6062	7037	4921
1935 Regional Surplus/Deficit	3679	2331	4817	4396	2669	2550	4182	7088	6030	9008	7229	6292	6849	6039
1936 Regional Surplus/Deficit	6648	3008	4621	4492	3256	2122	-721	2410	3945	6514	8141	7016	8065	4452
1937 Regional Surplus/Deficit	5346	2552	4364	3701	3647	2049	1380	1667	2504	3925	1438	5244	4819	2008
1938 Regional Surplus/Deficit	5534	2914	5229	4670	2771	3714	5377	4972	8041	9668	8495	6727	8089	5756
1939 Regional Surplus/Deficit	4714	2030	5324	4999	3250	2140	1238	2383	4682	9241	7818	6976	5597	4402
1940 Regional Surplus/Deficit	4721	2193	4772	4101	3476	3370	2064	2869	7652	9553	7790	6499	6310	3766
1941 Regional Surplus/Deficit	3844	1927	4758	4562	3850	2710	844	2461	6057	5583	5967	4175	3878	3465
1942 Regional Surplus/Deficit	4420	1831	5297	3827	4090	4070	5124	2025	4158	6984	7425	5953	8019	6162
1943 Regional Surplus/Deficit	6536	4180	6322	4975	2817	3023	4808	5413	8461	9947	8547	6629	7430	5915
1944 Regional Surplus/Deficit	5969	3742	5065	4254	3712	2382	1651	2638	4089	4796	6223	2972	1757	1926
1945 Regional Surplus/Deficit	4359	1689	4574	3864	2771	1900	510	1319	3012	4075	1429	6020	7277	2391
1946 Regional Surplus/Deficit	5799	2442	5042	3469	3302	3864	2839	3877	8355	9951	8437	6641	7903	6116
1947 Regional Surplus/Deficit	6467	4138	6076	4850	3956	7151	6273	7713	8493	9671	7807	6739	7943	6233
1948 Regional Surplus/Deficit	6157	3577	5539	9058	6561	5392	6993	4277	7806	9250	8378	6842	6842	6698
1949 Regional Surplus/Deficit	6976	6663	6327	5722	3670	3516	1875	2907	8578	9866	8527	6957	7888	3146
1950 Regional Surplus/Deficit	3937	1794	4534	3840	3320	2790	5402	7636	8706	9733	8312	6258	7007	6556
1951 Regional Surplus/Deficit	7069	5965	6127	6862	7278	7436	7625	8581	8694	10073	8437	6653	7825	6680
1952 Regional Surplus/Deficit	6953	4470	6167	8157	5354	5445	6549	6770	7081	10101	8745	6819	8375	6006
1953 Regional Surplus/Deficit	6551	3080	4747	3971	3005	2142	404	6563	7196	8254	7409	6737	7676	6663
1954 Regional Surplus/Deficit	6326	4754	5790	5688	4018	4697	4117	7909	8351	9856	8071	6623	6955	6558
1955 Regional Surplus/Deficit	7098	7515	8740	5714	5547	4630	1504	3414	3774	6280	6671	6302	7219	6676
1956 Regional Surplus/Deficit	7083	5865	5166	5961	6281	7337	7517	7631	7932	9391	8087	6595	7623	6957
1957 Regional Surplus/Deficit	6733	4772	5861	6098	3712	4851	3624	2217	8371	10159	7903	7060	7580	5365
1958 Regional Surplus/Deficit	5721	2290	5189	4675	3747	2629	2734	5754	8231	9857	8395	6922	8047	5346
1959 Regional Surplus/Deficit	5537	3174	5207	4568	4890	6386	7409	7840	7988	9960	7925	6494	7142	6129
1960 Regional Surplus/Deficit	7022	5039	9066	9543	7451	6537	6153	6094	6467	9671	8234	6669	8087	5972
1961 Regional Surplus/Deficit	6585	3019	4887	5232	3686	3461	3700	6977	8514	9606	7023	6519	7118	5537
1962 Regional Surplus/Deficit	5140	3265	5107	3350	3630	3163	5057	4936	4451	9900	8320	6593	7954	3468
1963 Regional Surplus/Deficit	5538	3072	4706	5602	5471	6157	5232	6645	6585	7734	7192	6910	7957	5957
1964 Regional Surplus/Deficit	6320	3769	5806	4618	3565	3693	3472	4007	4211	9259	7228	6480	7796	6764
1965 Regional Surplus/Deficit	6993	5060	6836	6728	4899	7166	7411	7821	8178	9428	8495	6456	8378	6157
1966 Regional Surplus/Deficit	6871	5842	5519	5986	4023	4113	4806	4954	3822	9562	7808	6490	7566	6043
1967 Regional Surplus/Deficit	6560	3388	5138	4100	3301	4235	6789	7760	8239	8885	3610	6380	7529	6624
1968 Regional Surplus/Deficit	6849	3912	5846	5592	4473	4120	5084	7696	8147	7567	6119	6011	7907	6370
1969 Regional Surplus/Deficit	6883	5686	7865	7042	6577	5527	7311	7736	7734	9719	8157	6819	8052	6434
1970 Regional Surplus/Deficit	6428	2841	5031	5299	4054	2627	3827	4146	7718	9046	6821	6514	8236	5469
1971 Regional Surplus/Deficit	6083	2388	4941	4135	3399	3022	7123	8210	8548	9787	8144	6625	8079	7017
1972 Regional Surplus/Deficit	7123	6571	6324	6046	4250	4273	6829	8191	8447	9509	8179	6642	7097	6621
1973 Regional Surplus/Deficit	7148	7571	6909	5701	4366	4892	3877	3017	4531	3967	5671	5560	5570	3390
1974 Regional Surplus/Deficit	5076	1889	4998	3587	2767	5639	7595	7942	7956	9437	8112	5826	6995	6770
1975 Regional Surplus/Deficit	7044	7145	6180	4515	3840	3032	3845	5847	8335	7753	6475	6709	7846	6925
1976 Regional Surplus/Deficit	6758	5971	6857	7203	7203	7421	7658	7978	8563	9949	8197	6643	8201	6738
1977 Regional Surplus/Deficit	7116	7507	9324	5691	3983	2555	1378	2975	4022	3964	4948	1683	1118	1992
1978 Regional Surplus/Deficit	4688	2101	4605	3411	2505	4370	3969	4218	7861	9515	7827	6681	7498	6206
1979 Regional Surplus/Deficit	5917	3327	8078	6005	3882	2007	1937	4185	7350	7576	7224	6989	5894	3208
1980 Regional Surplus/Deficit	3494	1792	4616	3460	3400	2447	571	1912	5704	9106	8157	7004	8065	3987
1981 Regional Surplus/Deficit	4283	1997	5299	4910	3802	6837	6931	6905	6371	5808	6913	6381	7343	6443
1982 Regional Surplus/Deficit	6482	6678	5691	5341	4480	3887	4230	8114	8505	9860	7578	6293	7589	6642
1983 Regional Surplus/Deficit	6819	6808	7590	7054	4850	4698	5925	7243	8625	9915	7643	6491	8231	6708
1984 Regional Surplus/Deficit	6723	6280	6439	5606	7457	4174	6978	6104	8668	10055	8072	6574	8051	6672
1985 Regional Surplus/Deficit	6780	4286	6231	5439	4693	3882	3376	3329	6636	9650	7912	6595	7337	941
1986 Regional Surplus/Deficit	3789	1677	4526	4818	5333	2183	4370	7179	8914	9613	8168	6344	7929	5604
1987 Regional Surplus/Deficit	6310	2786	4767	3414	4164	2949	1500	2754	5463	6657	6753	6470	6638	4770
1988 Regional Surplus/Deficit	3540	1502	4533	2911	2777	1521	110	1790	3207	4818	6493	5970	3500	4497
1989 Regional Surplus/Deficit	5592	2801	4606	3521	2676	2170	614	3090	5350	9855	8109	6593	7358	1568
1990 Regional Surplus/Deficit	4135	2577	4871	3510	4018	5099	4388	7328	7138	8737	8291	6367	7505	5574
1991 Regional Surplus/Deficit	6583	4515	4664	3222	7191	5299	6204	7646	7411	9628	7511	6523	7727	6477
1992 Regional Surplus/Deficit	6795	6003	5148	3615	3424	1992	1771	3657	6840	5571	5722	5130	3075	2758

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	3206	1219	4422	3603	3010	2177	937	1949	3497	6119	4432	6277	5821	4992
1994 Regional Surplus/Deficit	5563	3067	4421	3122	3595	2476	1311	3088	3891	4689	6740	6025	6284	3506
1995 Regional Surplus/Deficit	4028	2094	4582	3379	2619	2078	1599	5468	8308	9415	6831	6811	8242	5602
1996 Regional Surplus/Deficit	5633	3483	5326	5944	7420	7252	7478	8178	8585	9784	8549	6652	7856	6789
1997 Regional Surplus/Deficit	6947	5707	5759	5396	4098	5250	7364	7475	8148	9553	8178	6233	7287	6760
1998 Regional Surplus/Deficit	7055	6589	7786	9092	6502	3832	5318	5061	6614	8107	7529	6790	7882	6060

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5631	1707	4185	4107	2882	1664	1187	2094	3116	4236	5337	3443	4722	3298
1930 Regional Surplus/Deficit	4552	2045	4397	3013	2269	1421	1131	1597	3095	3826	4386	2760	2205	5001
1931 Regional Surplus/Deficit	4790	1908	3987	2445	2779	1182	596	1389	429	3702	1125	5105	845	4275
1932 Regional Surplus/Deficit	2945	455	3291	2533	1660	1299	-253	670	4766	7088	7995	6538	7248	5038
1933 Regional Surplus/Deficit	4716	2342	4717	3686	2064	3572	4979	5814	7363	8071	6881	6110	7093	6506
1934 Regional Surplus/Deficit	6011	5445	5116	4888	6702	6407	7322	7885	8465	8958	7678	5870	5813	5032
1935 Regional Surplus/Deficit	2575	1429	3908	3324	1877	1768	3824	6842	5855	8116	7064	6065	5487	6021
1936 Regional Surplus/Deficit	5664	2040	3709	3509	2394	1367	-558	2073	3692	5499	7831	6772	7314	4755
1937 Regional Surplus/Deficit	4403	1628	3451	2741	2736	1277	1137	1345	2189	3065	1036	4923	3375	2438
1938 Regional Surplus/Deficit	4594	1962	4323	3620	1969	2818	5046	4627	7931	8864	8181	6520	6938	5879
1939 Regional Surplus/Deficit	3714	1212	4420	3894	2401	1462	1067	2050	4439	8372	7569	6778	4184	4700
1940 Regional Surplus/Deficit	3730	1331	3862	3009	2563	2462	1798	2527	7518	8737	7530	6263	4931	4125
1941 Regional Surplus/Deficit	2784	1067	3850	3460	2937	1894	739	2126	5884	4580	5823	3853	2439	3765
1942 Regional Surplus/Deficit	3477	879	4393	2909	3171	3150	4788	1704	3908	5973	7217	5714	7381	6155
1943 Regional Surplus/Deficit	5582	3137	5422	3906	2024	2206	4448	5074	8366	9412	8338	6416	7062	6022
1944 Regional Surplus/Deficit	5039	2736	4154	3272	2840	1647	1437	2298	3829	3875	6083	2682	273	2326
1945 Regional Surplus/Deficit	3408	800	3667	2924	1936	1201	426	1037	2715	3215	1028	5797	5976	2813
1946 Regional Surplus/Deficit	4865	1541	4133	2625	2454	2958	2539	3519	8270	9244	8192	6442	7261	6156
1947 Regional Surplus/Deficit	5535	3108	5171	3858	3072	6295	6020	7498	8407	8840	7584	6540	7294	6181
1948 Regional Surplus/Deficit	5230	2580	4633	7519	5574	4452	6821	3919	7691	8375	8118	6674	6582	6521
1949 Regional Surplus/Deficit	5957	5650	5424	4530	2803	2631	1617	2561	8493	9069	8232	6783	7314	3546
1950 Regional Surplus/Deficit	2832	1082	3619	2910	2465	1973	5065	7415	8617	9263	8015	5955	6646	6505
1951 Regional Surplus/Deficit	6060	4924	5223	5470	6310	6682	7585	8297	8550	9286	8132	6453	6874	6496
1952 Regional Surplus/Deficit	5951	3427	5262	6562	4391	4504	6336	6481	6932	9472	8491	6650	7637	6084
1953 Regional Surplus/Deficit	5621	2141	3831	3007	2162	1399	382	6261	7054	7290	7230	6539	7329	6525
1954 Regional Surplus/Deficit	5392	3706	4882	4495	3124	3764	3761	7709	8255	9004	7850	6426	6758	6480
1955 Regional Surplus/Deficit	6083	6440	7886	4515	4571	3696	1320	3058	3513	5274	6522	6060	7011	6558
1956 Regional Surplus/Deficit	6072	4821	4256	4726	5292	6508	7497	7348	7699	8515	7938	6421	7033	6780
1957 Regional Surplus/Deficit	5790	3722	4955	4841	2848	3916	3272	1901	8263	9626	7663	6894	7108	5538
1958 Regional Surplus/Deficit	4781	1444	4281	3649	2863	1878	2447	5417	8128	9043	8110	6679	7498	5540
1959 Regional Surplus/Deficit	4586	2214	4300	3525	3941	5491	7276	7650	7878	9311	7713	6264	6880	6135
1960 Regional Surplus/Deficit	6004	3987	8258	8445	6823	5660	5921	5777	6291	9286	7952	6466	7321	6019
1961 Regional Surplus/Deficit	5644	2072	3977	4097	2813	2567	3344	6702	8425	8778	6859	6313	6625	5634
1962 Regional Surplus/Deficit	4177	2260	4197	2482	2754	2302	4715	4589	4205	9412	8081	6397	7337	3850
1963 Regional Surplus/Deficit	4599	2049	3795	4286	4497	5245	4905	6346	6426	6732	7036	6693	6662	5979
1964 Regional Surplus/Deficit	5378	2753	4901	3662	2705	2794	3129	3649	3957	8353	7068	6284	7387	6630
1965 Regional Surplus/Deficit	5977	4007	5939	5304	3952	6398	7384	7537	7946	8553	8251	6118	7362	6178
1966 Regional Surplus/Deficit	5856	4798	4610	4708	3122	3188	4454	4607	3533	9159	7611	6275	6250	6032
1967 Regional Surplus/Deficit	5600	2406	4228	3120	2455	3309	6591	7513	8071	7952	3365	5993	6843	6485
1968 Regional Surplus/Deficit	5859	2884	4941	4422	3552	3200	4728	7463	8030	6568	5979	5719	7205	6261
1969 Regional Surplus/Deficit	5888	4638	6963	5584	5589	4597	7203	7452	7611	8842	7925	6638	7412	6356
1970 Regional Surplus/Deficit	5497	1892	4123	4143	3155	1859	3464	3789	7591	8123	6675	6305	7680	5663
1971 Regional Surplus/Deficit	5155	1498	4031	3154	2540	2206	6938	7927	8401	9201	7879	6452	7033	6882
1972 Regional Surplus/Deficit	6100	5549	5421	4808	3361	3351	6611	7908	8389	9137	7906	6233	6839	6508
1973 Regional Surplus/Deficit	6129	6496	6010	4515	3459	3957	3526	2670	4289	3108	5528	5272	4156	3770
1974 Regional Surplus/Deficit	4113	1055	4088	2657	1970	4702	7556	7658	7723	8560	7880	5301	6773	6656
1975 Regional Surplus/Deficit	6020	6157	5277	3605	2963	2227	3495	5519	8229	6753	6335	6514	7339	6755
1976 Regional Surplus/Deficit	5811	4927	5959	5738	6235	6667	7532	7787	8464	9321	7950	6454	7491	6603
1977 Regional Surplus/Deficit	6122	6432	8561	4483	3093	1772	1159	2625	3766	3104	4772	1509	-327	2393
1978 Regional Surplus/Deficit	3740	1163	3695	2610	1713	3427	3611	3861	7742	8917	7630	6487	6179	6195
1979 Regional Surplus/Deficit	4989	2318	7191	4686	2987	1338	1662	3827	7208	6578	7053	6785	4487	3592
1980 Regional Surplus/Deficit	2418	952	3706	2511	2513	1666	534	1602	5510	8261	7900	6836	7367	4325
1981 Regional Surplus/Deficit	3262	1139	4395	3785	2911	5968	6765	6631	6205	4809	6749	6181	6979	6264
1982 Regional Surplus/Deficit	5459	5684	4785	4197	3546	2975	3858	7830	8379	9090	7331	6067	6883	6495
1983 Regional Surplus/Deficit	5796	5811	6684	5592	3911	3751	5621	6988	8510	9193	7391	6281	7500	6527
1984 Regional Surplus/Deficit	5706	5253	5537	4411	6513	3255	6776	5785	8574	9349	7759	6378	7606	6484
1985 Regional Surplus/Deficit	5824	3256	5328	4306	3766	2971	3030	2974	6483	8835	7625	6371	6002	1373
1986 Regional Surplus/Deficit	2685	965	3613	3725	4356	1419	4013	6919	8836	8946	7842	6122	7043	5697
1987 Regional Surplus/Deficit	5381	1827	3856	2530	3250	2121	1330	2413	5252	5643	6602	6254	5293	5019
1988 Regional Surplus/Deficit	2466	707	3622	2066	1898	869	4.6	1466	2922	3884	6351	5664	2030	4763
1989 Regional Surplus/Deficit	4660	1824	3697	2636	1872	1426	538	2738	5139	9267	7810	6397	6026	2006
1990 Regional Surplus/Deficit	3106	1644	3962	2592	3089	4170	4033	7110	6998	7809	8033	6168	7159	5714
1991 Regional Surplus/Deficit	5585	3466	3752	2416	6268	4369	5979	7363	7284	8933	7272	6325	6881	6342
1992 Regional Surplus/Deficit	5779	4972	4239	2741	2556	1321	1514	3300	6696	4570	5582	4819	1613	3134

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	2102	425	3511	2590	2149	1413	747	1613	3212	5111	4220	6078	4418	5241
1994 Regional Surplus/Deficit	4636	2048	3505	2279	2677	1644	1119	2734	3621	3764	6594	5726	4913	3870
1995 Regional Surplus/Deficit	3000	1206	3671	2452	1799	1377	1412	5128	8201	8598	6675	6615	7524	5751
1996 Regional Surplus/Deficit	4696	2473	4422	4621	6859	6498	7312	7894	8353	9290	8353	6471	7366	6618
1997 Regional Surplus/Deficit	5930	4662	4853	4273	3199	4306	7179	7191	7916	8784	7990	5983	6944	6626
1998 Regional Surplus/Deficit	6051	5566	6880	7649	5515	2921	4978	4716	6445	7137	7315	6571	7426	6094

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5433	1462	4013	3804	2357	1307	719	1745	2772	3562	4670	4343	5544	2342
1930 Regional Surplus/Deficit	4303	1786	4227	2714	1740	1066	663	1242	2750	3154	3722	3631	3069	4188
1931 Regional Surplus/Deficit	4555	1645	3816	2155	2264	825	129	1038	96	3026	428	6111	1725	3442
1932 Regional Surplus/Deficit	2678	261	3117	2239	1120	942	-711	299	4417	6423	7251	7442	7501	4194
1933 Regional Surplus/Deficit	4477	2070	4551	3385	1518	3195	4502	5467	7011	7393	6166	7126	7276	6240
1934 Regional Surplus/Deficit	5864	5245	4948	4589	6269	6617	6968	7499	8110	8288	6958	6802	6619	4252
1935 Regional Surplus/Deficit	2314	1188	3737	3022	1327	1409	3347	6482	5505	7438	6346	7032	6302	5556
1936 Regional Surplus/Deficit	5500	1779	3535	3211	1863	1011	-1011	1724	3345	4840	7051	7726	7745	3890
1937 Regional Surplus/Deficit	4155	1380	3277	2445	2221	919	668	991	1846	2371	339	5915	4222	1474
1938 Regional Surplus/Deficit	4347	1706	4153	3318	1421	2447	4569	4289	7578	8176	7467	7445	7742	5226
1939 Regional Surplus/Deficit	3449	1000	4252	3590	1867	1113	600	1699	4092	7690	6804	7708	5012	3840
1940 Regional Surplus/Deficit	3467	1104	3689	2705	2049	2090	1327	2181	7165	8050	6761	7236	5748	3203
1941 Regional Surplus/Deficit	2514	839	3678	3156	2423	1532	276	1777	5533	3919	5148	4838	3283	2903
1942 Regional Surplus/Deficit	3228	623	4226	2619	2659	2776	4311	1349	3561	5314	6472	6689	7863	5667
1943 Regional Surplus/Deficit	5397	2865	5258	3604	1473	1843	3970	4735	8011	8738	7613	7350	7266	5390
1944 Regional Surplus/Deficit	4805	2466	3980	2974	2313	1292	969	1951	3483	3199	5403	3572	1180	1371
1945 Regional Surplus/Deficit	3156	563	3496	2631	1397	850	-37	666	2371	2521	331	6760	6783	1849
1946 Regional Surplus/Deficit	4625	1300	3962	2346	1919	2586	2067	3181	7913	8554	7489	7369	7645	5603
1947 Regional Surplus/Deficit	5325	2834	5003	3560	2549	5922	5544	7130	8050	8154	6831	7470	7758	5750
1948 Regional Surplus/Deficit	5010	2312	4464	7302	5108	4075	6347	3582	7338	7694	7343	7554	6775	6256
1949 Regional Surplus/Deficit	5813	5462	5258	4226	2274	2261	1147	2216	8137	8380	7511	7677	7771	2592
1950 Regional Surplus/Deficit	2571	888	3444	2617	1933	1610	4587	7049	8267	8645	7236	6998	6956	6073
1951 Regional Surplus/Deficit	5911	4691	5055	5178	5856	6347	7113	7911	8200	8659	7409	7388	7678	6238
1952 Regional Surplus/Deficit	5798	3154	5094	6305	3897	4127	5862	6131	6580	8781	7724	7535	8216	5488
1953 Regional Surplus/Deficit	5407	1888	3657	2711	1626	1043	-77	5914	6703	6623	6502	7470	7583	6202
1954 Regional Surplus/Deficit	5185	3436	4712	4191	2603	3388	3284	7337	7906	8320	7097	7360	6908	6180
1955 Regional Surplus/Deficit	5938	6344	7697	4212	4084	3319	853	2718	3166	4614	5819	7038	7168	6298
1956 Regional Surplus/Deficit	5924	4582	4082	4423	4819	6136	7034	6961	7350	7819	7209	7323	7154	6536
1957 Regional Surplus/Deficit	5595	3453	4785	4539	2318	3540	2796	1545	7909	8953	6903	7753	7349	4823
1958 Regional Surplus/Deficit	4535	1222	4110	3349	2339	1522	1975	5078	7774	8355	7334	7611	7911	4800
1959 Regional Surplus/Deficit	4334	1955	4129	3223	3440	5116	6804	7275	7525	8621	6960	7238	7074	5631
1960 Regional Surplus/Deficit	5859	3723	8040	8259	6393	5286	5446	5433	5940	8748	7173	7410	7734	5463
1961 Regional Surplus/Deficit	5446	1817	3804	3793	2287	2196	2867	6349	8069	8092	6142	7256	6990	5014
1962 Regional Surplus/Deficit	3921	1990	4024	2198	2228	1935	4238	4251	3858	8778	7378	7328	7813	2908
1963 Regional Surplus/Deficit	4353	1776	3621	3987	4009	4869	4428	5999	6075	6071	6326	7650	7469	5454
1964 Regional Surplus/Deficit	5181	2481	4733	3367	2174	2423	2654	3311	3611	7676	6355	7215	7688	6388
1965 Regional Surplus/Deficit	5832	3745	5775	5015	3450	6026	6928	7151	7596	7873	7539	7187	8036	5654
1966 Regional Surplus/Deficit	5710	4561	4438	4407	2604	2813	3977	4269	3189	8604	6872	7231	7059	5573
1967 Regional Surplus/Deficit	5419	2142	4055	2823	1920	2934	6117	7126	7721	7280	2698	7113	7059	6177
1968 Regional Surplus/Deficit	5700	2611	4773	4118	3041	2825	4250	7099	7677	5907	5296	6724	7600	5918
1969 Regional Surplus/Deficit	5732	4392	6796	5300	5122	4220	6731	7066	7259	8147	7194	7545	7869	5977
1970 Regional Surplus/Deficit	5285	1636	3952	3838	2636	1501	2988	3450	7238	7449	5975	7255	8075	4923
1971 Regional Surplus/Deficit	4924	1262	3858	2857	2009	1843	6464	7540	8052	8514	7102	7349	7699	6642
1972 Regional Surplus/Deficit	5958	5348	5254	4505	2839	2976	6136	7521	8089	8521	7133	7352	7031	6242
1973 Regional Surplus/Deficit	5986	6400	5845	4211	2943	3581	3050	2326	3942	2419	4853	6276	4985	2830
1974 Regional Surplus/Deficit	3857	837	3916	2365	1420	4325	7103	7272	7373	7864	7164	6420	6940	6391
1975 Regional Surplus/Deficit	5878	6020	5110	3315	2437	1866	3019	5178	7875	6092	5646	7446	7604	6515
1976 Regional Surplus/Deficit	5619	4689	5794	5455	5781	6877	7060	7413	8114	8630	7178	7367	7953	6362
1977 Regional Surplus/Deficit	5973	6336	8312	4179	2571	1413	690	2282	3419	2410	4107	2226	556	1438
1978 Regional Surplus/Deficit	3490	911	3521	2341	1163	3051	3135	3523	7389	8228	6891	7418	6988	5712
1979 Regional Surplus/Deficit	4761	2048	7018	4388	2467	989	1190	3490	6857	5916	6330	7717	5313	2649
1980 Regional Surplus/Deficit	2147	732	3533	2217	1990	1306	73	1244	5161	7576	7132	7725	7903	3423
1981 Regional Surplus/Deficit	2995	913	4227	3481	2390	5594	6292	6277	5854	4148	6033	7121	7245	6003
1982 Regional Surplus/Deficit	5317	5534	4616	3893	3039	2602	3381	7444	8029	8399	6568	7023	7374	6182
1983 Regional Surplus/Deficit	5654	5652	6518	5309	3406	3375	5144	6630	8161	8502	6626	7216	8066	6254
1984 Regional Surplus/Deficit	5561	5041	5371	4107	6066	2881	6302	5441	8219	8653	6998	7310	7927	6219
1985 Regional Surplus/Deficit	5640	2982	5161	4002	3257	2597	2555	2633	6131	8147	6847	7314	6813	438
1986 Regional Surplus/Deficit	2424	771	3439	3421	3870	1062	3536	6562	8490	8257	7066	7084	7760	5082
1987 Regional Surplus/Deficit	5165	1568	3683	2244	2736	1757	864	2066	4903	4984	5897	7211	6105	4214
1988 Regional Surplus/Deficit	2195	503	3448	1787	1373	523	-459	1112	2577	3210	5658	6671	2908	3938
1989 Regional Surplus/Deficit	4421	1561	3524	2350	1324	1070	76	2396	4790	8580	7094	7331	6837	1048
1990 Regional Surplus/Deficit	2838	1393	3790	2302	2580	3793	3556	6742	6647	7136	7318	7107	7412	5040
1991 Regional Surplus/Deficit	5431	3196	3577	2146	5826	3992	5504	6976	6932	8243	6507	7255	7402	6100
1992 Regional Surplus/Deficit	5634	4754	4066	2457	2027	972	1044	2961	6344	3909	4902	5826	2480	2198

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	1841	221	3338	2290	1618	1055	280	1264	2867	4451	3556	7017	5242	4436
1994 Regional Surplus/Deficit	4407	1776	3331	2000	2165	1280	652	2393	3276	3088	5894	6732	5729	2943
1995 Regional Surplus/Deficit	2732	970	3498	2160	1256	1026	945	4789	7848	7911	5966	7546	8077	5067
1996 Regional Surplus/Deficit	4453	2202	4254	4322	6432	6618	6836	7507	8003	8651	7625	7363	7717	6373
1997 Regional Surplus/Deficit	5785	4421	4683	3969	2680	3928	6703	6805	7566	8088	7261	6951	7195	6383
1998 Regional Surplus/Deficit	5899	5363	6714	7444	5048	2547	4501	4378	6094	6470	6566	7481	7754	5554

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	4964	1170	3543	3422	2036	934	84	1025	2262	3323	4187	3154	3963	2165
1930 Regional Surplus/Deficit	3968	1492	3714	2357	1411	691	18	498	2231	2914	3247	2472	1497	3881
1931 Regional Surplus/Deficit	4175	1349	3328	1850	1958	451	-500	305	-299	2788	31	4826	160	3154
1932 Regional Surplus/Deficit	2444	-33	2725	1912	748	569	-1279	-483	3838	6169	6843	6274	6487	3917
1933 Regional Surplus/Deficit	4109	1765	3983	3018	1116	2854	3796	4834	6348	7144	5695	5856	6316	5493
1934 Regional Surplus/Deficit	5338	4866	4408	4219	5943	5748	6347	6705	7441	8037	6569	5610	5081	3914
1935 Regional Surplus/Deficit	2137	897	3259	2645	886	1038	2642	5836	4882	7189	5877	5799	4729	4913
1936 Regional Surplus/Deficit	4984	1483	3139	2864	1529	637	-1527	1003	2796	4588	6642	6507	6605	3632
1937 Regional Surplus/Deficit	3818	1088	2888	2110	1917	547	16	250	1356	2142	-58	4636	2643	1299
1938 Regional Surplus/Deficit	4005	1412	3634	2947	1002	2092	3863	3647	6907	7934	7059	6256	6214	4766
1939 Regional Surplus/Deficit	3198	707	3708	3208	1521	732	-26	973	3534	7443	6373	6518	3429	3578
1940 Regional Surplus/Deficit	3205	813	3246	2325	1745	1738	667	1467	6508	7807	6335	5995	4170	2997
1941 Regional Surplus/Deficit	2321	548	3193	2774	2119	1165	-330	1052	4909	3670	4662	3565	1702	2643
1942 Regional Surplus/Deficit	2892	329	3674	2308	2357	2428	3604	607	3010	5060	6023	5446	6682	5047
1943 Regional Surplus/Deficit	4908	2547	4672	3228	1033	1476	3263	4097	7341	8510	7252	6152	6289	4909
1944 Regional Surplus/Deficit	4422	2164	3560	2628	1987	917	327	1235	2941	2961	4916	2393	-371	1193
1945 Regional Surplus/Deficit	2836	272	2999	2307	1035	471	-635	-117	1864	2292	-66	5532	5238	1676
1946 Regional Surplus/Deficit	4261	1009	3483	2099	1571	2233	1394	2509	7245	8319	7072	6181	6548	5045
1947 Regional Surplus/Deficit	4881	2524	4464	3210	2231	5601	4848	6468	7383	7910	6389	6280	6568	5074
1948 Regional Surplus/Deficit	4587	2012	3946	7182	4786	3742	5664	2918	6669	7447	6937	6410	5807	5419
1949 Regional Surplus/Deficit	5289	5078	4692	3839	1944	1904	490	1510	7468	8139	7106	6516	6553	2413
1950 Regional Surplus/Deficit	2394	594	3060	2299	1592	1243	3880	6390	7604	8398	6823	5702	5867	5397
1951 Regional Surplus/Deficit	5385	4330	4512	4834	5520	6024	6436	7117	7562	8438	7011	6191	6147	5395
1952 Regional Surplus/Deficit	5273	2836	4551	6087	3600	3793	5171	5498	5935	8547	7345	6384	6892	4972
1953 Regional Surplus/Deficit	4970	1595	3272	2374	1272	668	-656	5282	6051	6369	6040	6280	6568	5420
1954 Regional Surplus/Deficit	4734	3112	4213	3804	2292	3046	2585	6665	7237	8075	6655	6165	5973	5456
1955 Regional Surplus/Deficit	5450	5924	7189	3825	3784	2979	222	2036	2625	4364	5341	5792	6227	5562
1956 Regional Surplus/Deficit	5397	4225	3651	4039	4494	5815	6357	6168	6704	7599	6808	6158	6241	5680
1957 Regional Surplus/Deficit	5122	3128	4273	4158	1986	3199	2100	797	7238	8725	6468	6625	6344	4423
1958 Regional Surplus/Deficit	4191	931	3619	2985	2021	1148	1308	4440	7102	8113	6917	6402	6797	4424
1959 Regional Surplus/Deficit	4013	1661	3631	2854	3144	4791	6127	6534	6854	8381	6518	6010	6105	5025
1960 Regional Surplus/Deficit	5335	3389	7614	8098	6070	4963	4752	4801	5319	8471	6765	6205	6613	4908
1961 Regional Surplus/Deficit	4977	1524	3353	3408	1961	1841	2168	5712	7400	7848	5672	6050	5855	4521
1962 Regional Surplus/Deficit	3621	1688	3579	1927	1904	1574	3531	3608	3302	8537	6966	6136	6589	2720
1963 Regional Surplus/Deficit	4008	1469	3195	3618	3710	4542	3722	5366	5438	5816	5852	6429	5928	4869
1964 Regional Surplus/Deficit	4711	2177	4198	3034	1838	2069	1963	2643	3062	7427	5883	6024	6649	5680
1965 Regional Surplus/Deficit	5306	3410	5181	4685	3154	5705	6250	6358	6950	7625	7123	5865	6657	5068
1966 Regional Surplus/Deficit	5184	4203	3966	4029	2295	2466	3270	3625	2674	8333	6418	6011	5506	4924
1967 Regional Surplus/Deficit	4923	1845	3619	2477	1570	2588	5429	6333	7075	7028	2245	5739	6064	5381
1968 Regional Surplus/Deficit	5183	2301	4234	3731	2740	2477	3543	6448	7009	5653	4811	5440	6498	5156
1969 Regional Surplus/Deficit	5211	4040	6205	4988	4808	3888	6054	6272	6594	7927	6795	6372	6688	5250
1970 Regional Surplus/Deficit	4845	1343	3471	3451	2326	1128	2293	2780	6576	7198	5495	6043	6950	4546
1971 Regional Surplus/Deficit	4530	971	3424	2511	1672	1476	5780	6747	7406	8280	6695	6191	6246	5834
1972 Regional Surplus/Deficit	5453	4969	4693	4121	2524	2629	5445	6728	7676	8301	6712	5979	6064	5506
1973 Regional Surplus/Deficit	5490	5980	5259	3823	2637	3240	2354	1622	3383	2190	4366	4994	3402	2640
1974 Regional Surplus/Deficit	3557	546	3456	2047	989	3994	6432	6478	6748	7642	6720	5049	5991	5656
1975 Regional Surplus/Deficit	5363	5622	4553	3010	2114	1497	2324	4544	7204	5838	5162	6254	6581	5835
1976 Regional Surplus/Deficit	5139	4332	5205	5145	5444	6008	6383	6682	7453	8399	6771	6185	6755	5536
1977 Regional Surplus/Deficit	5525	5916	7958	3793	2257	1042	47	1584	2873	2181	3630	1222	-949	1260
1978 Regional Surplus/Deficit	3163	619	3086	2143	722	2707	2434	2863	6722	7994	6438	6227	5434	5087
1979 Regional Surplus/Deficit	4360	1745	6450	4019	2155	608	528	2828	6205	5662	5864	6525	3730	2461
1980 Regional Surplus/Deficit	1968	440	3091	1888	1674	935	-510	489	4555	7331	6705	6571	6626	3199
1981 Regional Surplus/Deficit	2766	622	3682	3096	2076	5272	5610	5641	5223	3899	5563	5920	6221	5162
1982 Regional Surplus/Deficit	4798	5139	4093	3506	2741	2251	2677	6650	7383	8161	6136	5806	6104	5391
1983 Regional Surplus/Deficit	5136	5259	5924	4999	3109	3033	4440	5987	7515	8264	6196	6020	6759	5424
1984 Regional Surplus/Deficit	5036	4667	4803	3720	5729	2532	5615	4809	7549	8422	6586	6119	6861	5382
1985 Regional Surplus/Deficit	5148	2672	4604	3616	2957	2247	1863	1947	5490	7905	6431	6109	5250	226
1986 Regional Surplus/Deficit	2247	477	3047	3041	3570	689	2831	5922	7833	8023	6660	5857	6334	4585
1987 Regional Surplus/Deficit	4733	1274	3261	1960	2433	1391	237	1350	4314	4731	5420	5990	4539	3900
1988 Regional Surplus/Deficit	2015	209	3031	1538	1052	139	-1064	494	2043	2957	5179	5393	1456	3627
1989 Regional Surplus/Deficit	4052	1264	3067	2052	907	690	-544	1695	4116	8346	6704	6137	5276	864
1990 Regional Surplus/Deficit	2617	1101	3323	1992	2281	3460	2849	6034	5993	6884	6960	5907	6398	4600
1991 Regional Surplus/Deficit	4908	2871	3183	1943	5489	3661	4811	6183	6270	8003	6076	6065	6165	5256
1992 Regional Surplus/Deficit	5108	4384	3607	2181	1698	591	388	2285	5695	3660	4416	4536	908	2005

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	1663	-72	2910	1931	1283	682	-353	541	2349	4201	3090	5817	3660	4122
1994 Regional Surplus/Deficit	4008	1470	2946	1754	1863	915	18	1705	2743	2850	5415	5446	4154	2742
1995 Regional Surplus/Deficit	2511	679	3074	1843	872	647	313	4151	7177	7668	5492	6355	6784	4636
1996 Regional Surplus/Deficit	4100	1900	3705	3955	6120	5839	6141	6712	7355	8411	7260	6199	6627	5520
1997 Regional Surplus/Deficit	5260	4066	4165	3585	2371	3593	6009	6011	6920	7868	6896	5729	6182	5638
1998 Regional Surplus/Deficit	5373	4985	6119	7335	4719	2196	3794	3736	5466	6217	6120	6292	6682	4984

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	4388	566	2934	3030	1488	257	-286	771	1885	2795	3947	2358	4867	1240
1930 Regional Surplus/Deficit	3301	883	3092	1941	871	17	-342	268	1863	2387	2999	1646	2393	3086
1931 Regional Surplus/Deficit	3532	739	2712	1382	1394	-224	-876	64	-791	2259	-295	4127	1049	2340
1932 Regional Surplus/Deficit	1745	-625	2138	1466	251	-107	-1716	-675	3530	5656	6528	5639	7642	3092
1933 Regional Surplus/Deficit	3460	1149	3347	2612	649	2146	3497	4493	6124	6626	5443	5141	7539	5314
1934 Regional Surplus/Deficit	4835	4238	3779	3816	5393	5568	6030	6525	7223	7522	6220	4817	5943	3151
1935 Regional Surplus/Deficit	1438	294	2647	2248	458	359	2342	5508	4618	6671	5623	5047	5625	4454
1936 Regional Surplus/Deficit	4462	873	2550	2438	994	-38	-2016	750	2459	4073	6328	5741	7433	2788
1937 Regional Surplus/Deficit	3152	483	2302	1672	1352	-130	-338	17	959	1604	-384	3931	3546	373
1938 Regional Surplus/Deficit	3342	804	3011	2544	552	1397	3564	3315	6691	7409	6730	5475	7066	4124
1939 Regional Surplus/Deficit	2503	113	3078	2817	998	64	-405	726	3205	6923	6081	5724	4336	2738
1940 Regional Surplus/Deficit	2512	214	2643	1932	1179	1041	322	1207	6279	7283	6038	5251	5072	2102
1941 Regional Surplus/Deficit	1616	-51	2579	2383	1554	483	-730	803	4646	3152	4425	2854	2606	1801
1942 Regional Surplus/Deficit	2226	-279	3042	1845	1790	1727	3306	375	2674	4547	5749	4705	7682	4565
1943 Regional Surplus/Deficit	4352	1926	4031	2830	604	794	2965	3761	7124	7971	6878	5382	7492	4288
1944 Regional Surplus/Deficit	3781	1550	2964	2201	1443	243	-37	977	2596	2432	4679	1587	504	270
1945 Regional Surplus/Deficit	2163	-329	2381	1858	528	-199	-1042	-308	1484	1754	-392	4775	6106	747
1946 Regional Surplus/Deficit	3609	406	2871	1573	1050	1537	1061	2207	7026	7787	6766	5391	7383	4474
1947 Regional Surplus/Deficit	4284	1906	3835	2787	1680	4873	4539	6156	7163	7387	6108	5485	7408	4648
1948 Regional Surplus/Deficit	3973	1398	3323	6528	4232	3026	5342	2608	6451	6927	6620	5769	7020	5155
1949 Regional Surplus/Deficit	4787	4450	4057	3453	1405	1212	142	1242	7250	7613	6775	5763	7524	1490
1950 Regional Surplus/Deficit	1695	2.3	2475	1844	1064	561	3582	6075	7398	7879	6508	5014	7142	4972
1951 Regional Surplus/Deficit	4880	3702	3883	4404	4974	5298	6108	6943	7310	7889	6680	5404	7000	5136
1952 Regional Surplus/Deficit	4765	2215	3922	5532	3027	3078	4856	5158	5693	8014	7001	5667	7854	4386
1953 Regional Surplus/Deficit	4367	988	2688	1938	757	-5.7	-1082	4940	5816	5856	5778	5485	7722	5100
1954 Regional Surplus/Deficit	4143	2490	3595	3417	1734	2339	2279	6363	7019	7553	6374	5376	7228	5263
1955 Regional Surplus/Deficit	4915	5298	6558	3438	3215	2270	-152	1744	2279	3847	5095	5053	7475	5386
1956 Regional Surplus/Deficit	4894	3598	3052	3650	3934	5087	6029	5987	6463	7052	6476	5379	7523	5435
1957 Regional Surplus/Deficit	4550	2505	3652	3766	1449	2491	1791	571	7023	8186	6179	6012	7512	3722
1958 Regional Surplus/Deficit	3529	333	3003	2575	1470	473	970	4104	6887	7588	6611	5838	7795	3698
1959 Regional Surplus/Deficit	3341	1052	3013	2450	2571	4066	5799	6301	6638	7854	6237	5253	7316	4529
1960 Regional Surplus/Deficit	4833	2764	6989	7486	5518	4237	4440	4460	5054	7990	6449	5425	7440	4361
1961 Regional Surplus/Deficit	4401	916	2748	3020	1417	1147	1862	5375	7182	7325	5419	5272	7049	3912
1962 Regional Surplus/Deficit	2940	1073	2976	1425	1359	886	3233	3277	2971	8010	6642	5343	7490	1807
1963 Regional Surplus/Deficit	3346	852	2597	3214	3139	3820	3423	5025	5188	5304	5603	5665	6792	4353
1964 Regional Surplus/Deficit	4137	1561	3570	2594	1305	1374	1649	2337	2724	6909	5632	5230	7505	5424
1965 Regional Surplus/Deficit	4805	2785	4538	4242	2581	4977	5923	6177	6709	7106	6816	5203	7479	4552
1966 Regional Surplus/Deficit	4682	3576	3355	3634	1735	1764	2972	3295	2302	7844	6149	5246	6382	4471
1967 Regional Surplus/Deficit	4376	1233	3019	2049	1051	1885	5112	6153	6834	6513	1975	5128	7296	5076
1968 Regional Surplus/Deficit	4662	1683	3605	3345	2172	1776	3245	6126	6790	5140	4573	4739	7324	4816
1969 Regional Surplus/Deficit	4696	3414	5563	4527	4253	3171	5726	6092	6372	7380	6471	5602	7531	4875
1970 Regional Surplus/Deficit	4245	735	2858	3065	1767	452	1983	2477	6351	6682	5252	5270	7860	3821
1971 Regional Surplus/Deficit	3896	369	2824	2084	1140	794	5459	6566	7165	7747	6378	5435	7510	5587
1972 Regional Surplus/Deficit	4936	4342	4058	3732	1970	1927	5131	6547	7438	7754	6410	5367	7279	5314
1973 Regional Surplus/Deficit	4964	5354	4618	3437	2074	2532	2045	1352	3055	1652	4129	4291	4309	1729
1974 Regional Surplus/Deficit	2876	-51	2849	1591	551	3276	6107	6298	6514	7094	6435	4438	7230	5479
1975 Regional Surplus/Deficit	4856	4998	3919	2542	1568	817	2014	4204	6988	5325	4923	5461	7724	5610
1976 Regional Surplus/Deficit	4575	3705	4564	4681	4899	5828	6055	6439	7227	7863	6455	5425	7608	5293
1977 Regional Surplus/Deficit	4941	5290	7336	3406	1702	364	-315	1308	2532	1643	3384	241	-120	336
1978 Regional Surplus/Deficit	2493	12	2485	1568	294	2002	2130	2549	6503	7461	6168	5434	6312	4610
1979 Regional Surplus/Deficit	3731	1130	5811	3615	1598	-60	185	2516	5970	5149	5607	5732	4636	1547
1980 Regional Surplus/Deficit	1262	-156	2489	1444	1121	257	-932	270	4274	6809	6409	5990	7568	2322
1981 Regional Surplus/Deficit	2066	23	3051	2707	1521	4545	5287	5303	4967	3381	5310	5136	7364	4901
1982 Regional Surplus/Deficit	4293	4513	3469	3119	2170	1553	2376	6470	7142	7632	5844	5040	7333	5080
1983 Regional Surplus/Deficit	4631	4633	5281	4535	2537	2326	4139	5656	7274	7735	5902	5231	7669	5152
1984 Regional Surplus/Deficit	4534	4040	4167	3334	5186	1832	5297	4468	7332	7886	6274	5325	7946	5117
1985 Regional Surplus/Deficit	4596	2053	3970	3229	2388	1548	1550	1660	5244	7380	6124	5329	6136	-664
1986 Regional Surplus/Deficit	1548	-115	2460	2648	3001	13	2531	5589	7615	7490	6343	5099	7162	3980
1987 Regional Surplus/Deficit	4126	665	2665	1471	1867	707	-141	1092	4016	4217	5174	5226	5429	3112
1988 Regional Surplus/Deficit	1309	-384	2437	1014	504	-526	-1464	300	1681	2434	4944	4703	2420	2805
1989 Regional Surplus/Deficit	3384	632	2441	1561	452	14	-965	1408	3759	7813	6354	5347	6160	-54
1990 Regional Surplus/Deficit	1916	495	2714	1528	1711	2744	2551	5769	5760	6369	6581	5122	7549	3938
1991 Regional Surplus/Deficit	4396	2248	2595	1372	4947	2943	4499	6003	6045	7476	5784	5270	7004	5013
1992 Regional Surplus/Deficit	4606	3756	3001	1684	1158	-77	39	1987	5457	3142	4179	3841	1803	1096

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	964	-665	2313	1517	749	5.9	-725	290	1980	3684	2832	5032	4566	3334
1994 Regional Surplus/Deficit	3377	854	2362	1227	1296	231	-353	1419	2389	2321	5171	4748	5053	1842
1995 Regional Surplus/Deficit	1809	78	2478	1387	387	-23	-60	3815	6961	7144	5243	5561	7721	3965
1996 Regional Surplus/Deficit	3442	1285	3074	3549	5559	5569	5830	6531	7115	7883	6890	5456	7606	5271
1997 Regional Surplus/Deficit	4758	3439	3541	3196	1811	2879	5698	5831	6679	7321	6527	4986	7195	5464
1998 Regional Surplus/Deficit	4867	4357	5475	6671	4164	1498	3496	3404	5207	5703	5842	5584	7759	4452

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	4011	219	2660	2533	1510	-239	-1076	389	3048	3002	4532	1805	3029	1438
1930 Regional Surplus/Deficit	3015	540	2831	1462	890	-483	-1151	-137	2999	2588	3584	1130	536	3168
1931 Regional Surplus/Deficit	3222	398	2444	949	1430	-722	-1653	-331	459	2472	294	3463	-809	2441
1932 Regional Surplus/Deficit	1491	-985	1842	1013	271	-604	-2350	-1113	4403	5805	7199	5028	5570	3202
1933 Regional Surplus/Deficit	3157	813	3100	2125	677	1722	2745	4228	6096	6789	6057	4583	5398	4791
1934 Regional Surplus/Deficit	4385	3914	3525	3341	5590	4662	5648	6141	6723	7695	6926	4329	4162	3203
1935 Regional Surplus/Deficit	1184	-55	2376	1754	495	-132	1494	5248	5158	6834	6239	4463	3802	4209
1936 Regional Surplus/Deficit	4031	532	2255	1968	1012	-536	-2518	367	3485	4228	6997	5247	5689	2916
1937 Regional Surplus/Deficit	2865	136	2005	1211	1389	-624	-1159	-385	2168	1852	205	3269	1692	566
1938 Regional Surplus/Deficit	3052	460	2751	2054	586	942	2802	3024	6432	7589	7415	4988	5295	4058
1939 Regional Surplus/Deficit	2246	-244	2825	2319	1015	-449	-1177	337	4191	7091	6733	5231	2491	2862
1940 Regional Surplus/Deficit	2252	-139	2362	1435	1218	591	-514	830	6368	7461	6693	4655	3240	2277
1941 Regional Surplus/Deficit	1368	-404	2310	1885	1591	-0.6	-1454	416	5169	3320	5014	2199	753	1927
1942 Regional Surplus/Deficit	1939	-622	2791	1407	1832	1286	2536	-28	3693	4697	6385	4105	5769	4342
1943 Regional Surplus/Deficit	3955	1595	3789	2337	647	311	2148	3476	6670	8169	7608	4890	5372	4202
1944 Regional Surplus/Deficit	3469	1213	2677	1731	1464	-259	-839	599	3653	2646	5272	1046	-1354	467
1945 Regional Surplus/Deficit	1883	-680	2115	1408	547	-708	-1750	-746	2654	2002	197	4200	4318	946
1946 Regional Surplus/Deficit	3308	57	2600	1192	1067	1086	207	1875	6527	7978	7430	4904	5631	4339
1947 Regional Surplus/Deficit	3928	1573	3581	2314	1703	4509	3903	5890	6665	7562	6750	4993	5654	4370
1948 Regional Surplus/Deficit	3634	1060	3063	6316	4391	2624	4845	2285	6274	7094	7292	5162	4889	4717
1949 Regional Surplus/Deficit	4336	4126	3809	2955	1424	752	-689	873	6750	7795	7462	5262	5637	1688
1950 Regional Surplus/Deficit	1441	-358	2176	1399	1081	78	2810	5810	6886	8056	7179	4515	4948	4693
1951 Regional Surplus/Deficit	4432	3378	3629	3959	5159	4937	5727	6552	6875	8086	7367	4918	5228	4692
1952 Regional Surplus/Deficit	4320	1884	3668	5221	3110	2674	4283	4896	5968	8205	7702	5133	5977	4266
1953 Regional Surplus/Deficit	4017	643	2389	1476	775	-506	-1743	4675	5997	6007	6402	4991	5652	4717
1954 Regional Surplus/Deficit	3781	2160	3329	2920	1762	1912	1416	6091	6552	7724	7016	4889	5055	4753
1955 Regional Surplus/Deficit	4497	4972	6306	2941	3317	1848	-934	1401	3340	4013	5702	4449	5309	4860
1956 Regional Surplus/Deficit	4445	3273	2768	3157	4073	4727	5661	5603	6128	7247	7162	4891	5322	4978
1957 Regional Surplus/Deficit	4169	2176	3390	3277	1468	2068	924	162	6736	8383	6828	5390	5428	3713
1958 Regional Surplus/Deficit	3238	-21	2736	2091	1494	-26	122	3820	6537	7766	7274	5159	5883	3714
1959 Regional Surplus/Deficit	3061	709	2747	1962	2638	3690	5381	5970	6383	8038	6879	4737	5187	4321
1960 Regional Surplus/Deficit	4382	2437	6730	7221	5710	3867	3835	4189	5603	8129	7121	4889	5697	4203
1961 Regional Surplus/Deficit	4025	572	2469	2520	1438	691	999	5115	6711	7500	6035	4783	4938	3814
1962 Regional Surplus/Deficit	2668	736	2696	1022	1380	416	2452	2983	3967	8195	7322	4855	5674	1996
1963 Regional Surplus/Deficit	3055	517	2312	2740	3238	3436	2667	4760	5570	5453	6214	5100	5009	4164
1964 Regional Surplus/Deficit	3758	1225	3314	2136	1323	920	780	2010	3755	7070	6245	4729	5734	4978
1965 Regional Surplus/Deficit	4354	2458	4298	3812	2646	4618	5563	5793	6374	7272	7481	4689	5742	4363
1966 Regional Surplus/Deficit	4231	3251	3082	3149	1766	1327	2146	3000	3452	7991	6780	4685	4585	4220
1967 Regional Surplus/Deficit	3970	893	2736	1580	1068	1449	4563	5768	6483	6669	2564	4564	5146	4678
1968 Regional Surplus/Deficit	4230	1350	3351	2846	2215	1335	2437	5864	6635	5289	5167	4078	5582	4453
1969 Regional Surplus/Deficit	4259	3089	5322	4117	4410	2771	5319	5708	6290	7575	7151	5110	5772	4546
1970 Regional Surplus/Deficit	3892	391	2588	2565	1797	-43	1115	2146	6338	6840	5856	4721	6038	3836
1971 Regional Surplus/Deficit	3577	19	2540	1615	1158	311	4942	6182	6756	7938	7050	4932	5327	5132
1972 Regional Surplus/Deficit	4500	4017	3810	3240	1995	1488	4549	6163	7078	7949	7070	4804	5146	4804
1973 Regional Surplus/Deficit	4537	5028	4376	2939	2108	2110	1178	985	4037	1896	4719	3633	2463	1917
1974 Regional Surplus/Deficit	2604	-406	2573	1146	590	2878	5742	5913	6173	7291	7074	3874	5073	4953
1975 Regional Surplus/Deficit	4410	4671	3669	2109	1589	331	1146	3928	6668	5474	5520	4974	5665	5133
1976 Regional Surplus/Deficit	4187	3380	4322	4274	5083	4921	5642	6117	6734	8056	7126	4928	5840	4834
1977 Regional Surplus/Deficit	4572	4964	7075	2909	1728	-128	-1121	947	3573	1891	3968	-106	-1934	534
1978 Regional Surplus/Deficit	2210	-333	2202	1232	332	1571	1270	2231	6368	7653	6800	4944	4513	4382
1979 Regional Surplus/Deficit	3408	793	5567	3141	1626	-574	-655	2195	6149	5298	6227	5244	2794	1738
1980 Regional Surplus/Deficit	1015	-511	2208	989	1146	-234	-1604	-145	4966	6982	7064	5326	5712	2481
1981 Regional Surplus/Deficit	1813	-330	2799	2208	1547	4178	4801	5044	5421	3552	5925	4608	5305	4460
1982 Regional Surplus/Deficit	3845	4187	3210	2620	2223	1106	1525	6086	6770	7819	6495	4546	5186	4688
1983 Regional Surplus/Deficit	4183	4307	5041	4128	2595	1901	3421	5396	6800	7922	6555	4744	5845	4722
1984 Regional Surplus/Deficit	4083	3716	3920	2836	5382	1390	4752	4196	6877	8079	6942	4824	5946	4679
1985 Regional Surplus/Deficit	4195	1720	3720	2729	2436	1101	681	1311	5569	7559	6788	4841	4327	-515
1986 Regional Surplus/Deficit	1294	-475	2164	2151	3107	-483	1686	5329	7114	7681	7015	4525	5419	3878
1987 Regional Surplus/Deficit	3780	322	2378	1056	1905	228	-913	713	4829	4371	5782	4663	3614	3187
1988 Regional Surplus/Deficit	1062	-743	2148	631	526	-1042	-2189	-142	2816	2636	5538	4027	489	2913
1989 Regional Surplus/Deficit	3068	275	2154	1148	486	-484	-1653	1058	4649	8004	7061	4833	4353	127
1990 Regional Surplus/Deficit	1665	149	2440	1091	1761	2341	1719	5469	5911	6525	7317	4597	5482	3892
1991 Regional Surplus/Deficit	3955	1919	2300	1033	5146	2546	3905	5618	6034	7659	6436	4778	5248	4553
1992 Regional Surplus/Deficit	4155	3432	2724	1277	1177	-590	-791	1650	5675	3311	4771	3170	-54	1283

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	711	-1024	2027	1037	767	-490	-1511	-95	3119	3848	3418	4507	2725	3409
1994 Regional Surplus/Deficit	3056	519	2063	847	1337	-248	-1140	1068	3481	2533	5775	4082	3225	2021
1995 Regional Surplus/Deficit	1558	-273	2191	943	410	-532	-843	3529	6650	7321	5854	5060	5871	3928
1996 Regional Surplus/Deficit	3147	948	2822	3077	5742	4752	5452	6147	6780	8070	7616	4948	5714	4818
1997 Regional Surplus/Deficit	4307	3114	3281	2697	1841	2471	5320	5447	6344	7516	7251	4498	5266	4936
1998 Regional Surplus/Deficit	4421	4033	5235	6467	4321	1051	2718	3112	5690	5854	6482	5050	5768	4279

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	3713	-233	2320	2387	782	-495	-1043	104	1212	3114	3788	1761	3918	532
1930 Regional Surplus/Deficit	2611	70	2486	1297	166	-736	-1100	-400	1191	2706	2841	1049	1444	2378
1931 Regional Surplus/Deficit	2849	-79	2102	738	689	-977	-1634	-604	-1464	2577	-453	3529	100	1632
1932 Regional Surplus/Deficit	1030	-1394	1507	822	-455	-860	-2474	-1342	2858	5975	6369	5041	6692	2384
1933 Regional Surplus/Deficit	2775	316	2750	1968	-57	1393	2740	3826	5451	6945	5285	4544	6590	4606
1934 Regional Surplus/Deficit	4166	3389	3178	3172	4688	4815	5273	5858	6550	7841	6062	4220	4994	2443
1935 Regional Surplus/Deficit	690	-501	2035	1605	-248	-393	1584	4840	3945	6989	5464	4450	4676	3746
1936 Regional Surplus/Deficit	3789	58	1920	1794	289	-791	-2773	83	1786	4392	6169	5144	6484	2080
1937 Regional Surplus/Deficit	2462	-319	1670	1028	647	-883	-1095	-650	287	1922	-542	3333	2597	-336
1938 Regional Surplus/Deficit	2653	-5.7	2406	1901	-154	645	2806	2648	6018	7727	6571	4878	6116	3416
1939 Regional Surplus/Deficit	1792	-663	2478	2173	292	-689	-1162	58	2532	7242	5923	5126	3386	2030
1940 Regional Surplus/Deficit	1805	-572	2024	1288	474	288	-436	539	5606	7601	5880	4654	4123	1394
1941 Regional Surplus/Deficit	888	-836	1968	1739	848	-270	-1487	135	3973	3470	4267	2256	1657	1093
1942 Regional Surplus/Deficit	1536	-1088	2443	1202	1084	974	2548	-292	2001	4865	5590	4107	6733	3857
1943 Regional Surplus/Deficit	3678	1079	3437	2187	-102	41	2208	3093	6451	8290	6720	4784	6543	3580
1944 Regional Surplus/Deficit	3098	721	2340	1557	738	-510	-794	309	1923	2750	4521	989	-445	-438
1945 Regional Surplus/Deficit	1470	-1122	1773	1214	-177	-952	-1799	-976	811	2072	-550	4177	5157	39
1946 Regional Surplus/Deficit	2923	-389	2259	929	345	784	304	1540	6354	8105	6608	4793	6433	3766
1947 Regional Surplus/Deficit	3607	1066	3234	2143	974	4120	3782	5489	6491	7705	5949	4888	6458	3940
1948 Regional Surplus/Deficit	3295	573	2719	5885	3526	2273	4585	1940	5778	7246	6462	5172	6071	4447
1949 Regional Surplus/Deficit	4122	3606	3460	2809	699	459	-616	575	6577	7932	6617	5165	6575	782
1950 Regional Surplus/Deficit	947	-767	1841	1200	358	-192	2825	5407	6725	8198	6350	4416	6193	4264
1951 Regional Surplus/Deficit	4211	2844	3283	3761	4268	4545	5350	6276	6637	8208	6522	4807	6051	4428
1952 Regional Surplus/Deficit	4094	1368	3322	4888	2322	2325	4099	4490	5021	8332	6843	5069	6905	3678
1953 Regional Surplus/Deficit	3690	182	2054	1294	51	-759	-1840	4273	5143	6174	5620	4887	6772	4392
1954 Regional Surplus/Deficit	3466	1639	2987	2774	1029	1586	1522	5696	6346	7872	6216	4778	6278	4555
1955 Regional Surplus/Deficit	4272	4488	5955	2795	2509	1517	-910	1077	1607	4165	4937	4455	6526	4678
1956 Regional Surplus/Deficit	4225	2739	2430	3006	3228	4334	5272	5320	5790	7370	6318	4782	6573	4727
1957 Regional Surplus/Deficit	3875	1653	3046	3122	744	1738	1033	-97	6350	8504	6021	5414	6563	3013
1958 Regional Surplus/Deficit	2840	-448	2393	1932	764	-280	212	3436	6214	7907	6452	5240	6845	2990
1959 Regional Surplus/Deficit	2648	239	2404	1806	1865	3314	5041	5634	5965	8172	6079	4655	6367	3821
1960 Regional Surplus/Deficit	4167	1909	6389	6842	4812	3484	3683	3792	4381	8309	6291	4828	6490	3653
1961 Regional Surplus/Deficit	3726	108	2130	2376	712	394	1105	4707	6510	7643	5261	4674	6100	3204
1962 Regional Surplus/Deficit	2242	245	2357	781	653	133	2475	2610	2298	8329	6484	4746	6540	1099
1963 Regional Surplus/Deficit	2657	15	1974	2570	2434	3067	2665	4357	4515	5622	5445	5068	5843	3645
1964 Regional Surplus/Deficit	3461	728	2968	1950	600	621	891	1670	2051	7228	5474	4633	6555	4716
1965 Regional Surplus/Deficit	4138	1929	3945	3598	1876	4224	5166	5510	6036	7424	6658	4606	6529	3844
1966 Regional Surplus/Deficit	4015	2717	2741	2990	1029	1011	2214	2628	1629	8163	5990	4648	5433	3763
1967 Regional Surplus/Deficit	3701	413	2398	1406	345	1132	4355	5485	6162	6831	1817	4530	6347	4368
1968 Regional Surplus/Deficit	3989	845	3005	2701	1466	1023	2488	5458	6117	5459	4415	4142	6375	4108
1969 Regional Surplus/Deficit	4024	2555	4965	3883	3547	2418	4968	5425	5699	7698	6313	5004	6581	4167
1970 Regional Surplus/Deficit	3568	-74	2246	2421	1061	-301	1225	1809	5679	7001	5093	4673	6911	3113
1971 Regional Surplus/Deficit	3215	-423	2202	1440	434	41	4702	5899	6492	8066	6220	4837	6561	4879
1972 Regional Surplus/Deficit	4283	3492	3461	3088	1264	1174	4374	5880	6766	8073	6252	4770	6330	4606
1973 Regional Surplus/Deficit	4316	4544	4024	2794	1368	1779	1287	685	2382	1971	3971	3693	3359	1021
1974 Regional Surplus/Deficit	2178	-829	2233	948	-155	2523	5350	5630	5841	7413	6277	3840	6280	4771
1975 Regional Surplus/Deficit	4197	4185	3321	1898	862	64	1257	3537	6316	5643	4765	4864	6774	4902
1976 Regional Surplus/Deficit	3900	2846	3970	4038	4193	5075	5298	5771	6555	8181	6297	4827	6658	4585
1977 Regional Surplus/Deficit	4320	4480	6744	2762	997	-389	-1073	641	1859	1961	3226	-357	-1069	-372
1978 Regional Surplus/Deficit	1801	-793	1864	924	-411	1249	1372	1882	5830	7780	6010	4836	5363	3902
1979 Regional Surplus/Deficit	3050	300	5211	2971	892	-813	-572	1849	5297	5468	5449	5134	3687	839
1980 Regional Surplus/Deficit	529	-937	1869	800	416	-496	-1689	-398	3601	7128	6251	5392	6618	1614
1981 Regional Surplus/Deficit	1349	-761	2452	2064	815	3792	4529	4636	4294	3699	5151	4539	6414	4193
1982 Regional Surplus/Deficit	3632	3690	2865	2476	1464	800	1618	5803	6470	7951	5686	4442	6384	4372
1983 Regional Surplus/Deficit	3970	3804	4684	3892	1831	1573	3381	4988	6601	8054	5744	4633	6720	4444
1984 Regional Surplus/Deficit	3868	3187	3571	2690	4480	1079	4540	3800	6659	8205	6116	4727	6997	4409
1985 Regional Surplus/Deficit	3922	1214	3372	2585	1682	795	792	992	4572	7699	5966	4731	5187	-1372
1986 Regional Surplus/Deficit	800	-884	1829	2005	2295	-740	1773	4921	6942	7808	6185	4501	6212	3272
1987 Regional Surplus/Deficit	3448	-147	2040	827	1162	-45	-899	425	3343	4536	5015	4629	4479	2404
1988 Regional Surplus/Deficit	576	-1154	1811	370	-202	-1279	-2221	-368	1008	2753	4786	4106	1470	2097
1989 Regional Surplus/Deficit	2699	-185	1823	917	-254	-739	-1723	741	3087	8132	6196	4749	5211	-762
1990 Regional Surplus/Deficit	1197	-309	2099	885	1005	1991	1793	5101	5087	6687	6422	4524	6599	3230
1991 Regional Surplus/Deficit	3724	1397	1964	729	4241	2190	3741	5335	5373	7795	5626	4673	6055	4305
1992 Regional Surplus/Deficit	3939	2901	2384	1040	452	-830	-719	1320	4784	3460	4021	3243	854	388

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	217	-1435	1690	873	43	-747	-1483	-377	1308	4003	2674	4434	3617	2626
1994 Regional Surplus/Deficit	2696	19	1728	584	590	-522	-1111	751	1716	2640	5013	4150	4104	1134
1995 Regional Surplus/Deficit	1091	-714	1854	743	-319	-776	-817	3148	6288	7462	5084	4963	6772	3257
1996 Regional Surplus/Deficit	2755	455	2475	2905	4854	4816	5072	5864	6442	8201	6732	4858	6656	4563
1997 Regional Surplus/Deficit	4091	2580	2937	2552	1105	2126	4940	5164	6007	7639	6369	4389	6246	4756
1998 Regional Surplus/Deficit	4196	3507	4879	6027	3458	745	2738	2736	4535	6022	5684	4986	6810	3744

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Monthly Regional 70-Water Year Surplus/Deficit 120-Hour Capacity in Megawatts

For OY 2011 – 2020

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6322	2600	5887	6112	4616	3231	2630	3465	4652	3996	4434	3407	6438	5692
1930 Regional Surplus/Deficit	4162	1974	5504	5977	4369	3168	2761	3159	4069	3980	6075	2554	3898	5394
1931 Regional Surplus/Deficit	2892	2009	4971	5636	4744	3225	2543	3227	3556	5173	1800	4141	3214	5473
1932 Regional Surplus/Deficit	4907	2654	5622	4991	3788	3013	1735	2806	5184	7627	9665	9496	9591	7243
1933 Regional Surplus/Deficit	4164	3505	6017	6265	3902	4707	7852	6933	4499	7321	6986	8292	9363	9151
1934 Regional Surplus/Deficit	8169	6386	7068	7252	7276	9509	9043	9424	9034	10430	9659	8426	7967	6972
1935 Regional Surplus/Deficit	3262	2007	5574	5885	3857	3542	7141	8489	4024	6048	6853	8463	7294	8394
1936 Regional Surplus/Deficit	7182	3138	5349	6125	4403	3006	1324	4204	4265	5261	8898	8982	9550	6387
1937 Regional Surplus/Deficit	5124	2928	4998	5917	4835	3124	2859	2820	3499	3207	1617	5235	4265	4484
1938 Regional Surplus/Deficit	5416	3298	5612	5973	4143	4500	7370	5747	7472	8654	9919	9418	8872	7987
1939 Regional Surplus/Deficit	4093	2316	6091	6323	4385	3102	3096	3542	5867	6425	8483	9396	6260	5674
1940 Regional Surplus/Deficit	3150	1737	4911	6102	4731	4722	3155	4366	8166	8564	8474	7637	7659	4281
1941 Regional Surplus/Deficit	2521	1661	5466	5836	4696	4003	2678	3883	6544	4643	4336	4442	3704	5106
1942 Regional Surplus/Deficit	4439	3101	6644	5109	4784	5119	4902	5950	4059	5033	6872	7349	9230	9014
1943 Regional Surplus/Deficit	7160	4717	6273	6484	3923	3876	6380	7728	8076	11150	10220	9179	9348	8944
1944 Regional Surplus/Deficit	6318	2782	4864	5958	4654	3202	2734	3675	4411	4000	4524	2572	2141	3175
1945 Regional Surplus/Deficit	3660	1866	5768	5071	3747	2900	2127	3047	3730	3107	1652	7895	7950	5269
1946 Regional Surplus/Deficit	4606	2446	5268	5783	4890	4797	5890	5005	8588	9721	10052	9274	8917	8929
1947 Regional Surplus/Deficit	6472	3523	6257	6068	4883	8303	7934	8661	9062	8780	8135	9179	9619	8934
1948 Regional Surplus/Deficit	5808	2939	5958	9328	7443	6156	9144	5930	7273	7634	9397	9583	8711	9537
1949 Regional Surplus/Deficit	7934	6437	6953	6868	4669	4341	3061	6418	9036	9166	10022	9639	9447	4835
1950 Regional Surplus/Deficit	3824	1800	4744	6100	4352	4109	6776	8485	9760	9985	8795	8639	8861	9431
1951 Regional Surplus/Deficit	6990	4917	6512	7777	6850	8944	9473	9885	9723	10815	9939	9259	8861	9488
1952 Regional Surplus/Deficit	7726	3651	5983	8617	5994	6210	8838	7258	5936	10482	10239	9595	9881	8396
1953 Regional Surplus/Deficit	6365	3331	5480	5946	4380	3168	3738	8475	6418	4499	6825	9250	9888	9707
1954 Regional Surplus/Deficit	6769	3665	6061	6837	4929	5409	6703	9086	6767	8691	7861	9210	8849	9017
1955 Regional Surplus/Deficit	8914	8918	9296	6856	6005	5375	3818	4090	4962	5228	5820	7003	9585	9089
1956 Regional Surplus/Deficit	8262	5889	5908	7142	6769	8595	9576	8896	9348	10025	9341	9175	9268	9724
1957 Regional Surplus/Deficit	6889	4631	6308	7181	4455	5172	5340	5770	8245	9319	8258	9717	9430	7232
1958 Regional Surplus/Deficit	4869	2351	5650	6083	4809	3787	5075	8146	7275	8023	9205	9535	9915	7198
1959 Regional Surplus/Deficit	4898	3178	5478	6489	5502	7348	9293	9237	6542	9991	7908	8936	8976	8092
1960 Regional Surplus/Deficit	7205	4359	9635	10142	8748	7925	7589	6940	7789	10806	9066	8493	9674	8221
1961 Regional Surplus/Deficit	5581	2643	5829	6323	4419	3795	6844	7003	8351	9673	6491	9090	8782	7602
1962 Regional Surplus/Deficit	5682	3968	5332	5507	4817	4467	5750	6727	5364	8761	10127	8883	9581	6274
1963 Regional Surplus/Deficit	5029	3086	5177	7345	5867	7107	6869	7846	4377	6912	6495	8631	9511	8565
1964 Regional Surplus/Deficit	6787	3626	5911	5908	4622	4550	4637	6567	4226	7107	4517	8408	9818	9473
1965 Regional Surplus/Deficit	8177	4557	7457	7680	5715	8578	9680	9970	9367	8754	10312	8968	9949	8184
1966 Regional Surplus/Deficit	7370	5760	6626	7114	4593	4397	6556	5529	4290	10516	7514	8485	8194	8484
1967 Regional Surplus/Deficit	6766	3295	5445	6005	4355	4607	9140	9258	6398	7111	3348	8259	8988	9614
1968 Regional Surplus/Deficit	7590	4008	6102	6748	4616	4700	7447	8149	7822	4332	5188	7307	9378	9356
1969 Regional Surplus/Deficit	7462	5593	8322	7933	7060	6308	9521	9192	7577	10708	9903	9522	9506	9208
1970 Regional Surplus/Deficit	5862	2539	5876	6903	4963	3625	4200	7651	7141	6985	5837	8068	10183	7876
1971 Regional Surplus/Deficit	4670	2209	5257	6155	4779	4332	9112	9917	9346	9812	9173	9295	9516	9674
1972 Regional Surplus/Deficit	8504	6456	6953	7173	5037	5050	9147	9603	10182	10329	8530	9301	8978	8983
1973 Regional Surplus/Deficit	8815	7935	7211	6809	4999	5643	5191	4241	4951	3062	4416	6255	5167	5642
1974 Regional Surplus/Deficit	2929	1510	4903	5898	3880	7267	9498	9756	10121	10296	9730	8490	8892	9252
1975 Regional Surplus/Deficit	8086	6618	6605	5739	4651	3815	6085	6775	8323	5481	6256	9170	9659	9643
1976 Regional Surplus/Deficit	6017	4743	6868	8098	7267	9934	9506	9590	8248	10859	9456	9320	9757	9418
1977 Regional Surplus/Deficit	8950	8996	10852	6843	4888	3321	2585	3911	4302	3049	2792	1551	984	3617
1978 Regional Surplus/Deficit	4297	2805	5832	4402	3534	5421	5630	5972	7139	9640	7829	9011	8404	8601
1979 Regional Surplus/Deficit	5635	3651	8372	7059	4883	3326	3068	6099	7874	6380	5360	8763	5220	4777
1980 Regional Surplus/Deficit	2437	1522	4744	5707	4541	4362	2164	5466	4733	6276	8687	9491	9304	6814
1981 Regional Surplus/Deficit	4182	2106	5653	6081	5007	8039	9286	6585	7184	4491	6202	7679	9494	9419
1982 Regional Surplus/Deficit	8168	7051	6166	6525	5206	4597	7389	9894	9854	9725	7937	8873	9116	9237
1983 Regional Surplus/Deficit	8166	5571	8043	7917	5704	5455	8298	7449	10132	9353	8485	8861	9297	9573
1984 Regional Surplus/Deficit	8194	5754	7074	6758	7858	4880	9292	6087	9750	10327	9348	8217	10070	9539
1985 Regional Surplus/Deficit	7093	3283	6535	6613	5589	4583	5277	3609	7137	9355	8776	9268	6648	4254
1986 Regional Surplus/Deficit	2076	1607	5340	6311	6183	3157	6799	8301	10150	10414	8660	7550	8522	7608
1987 Regional Surplus/Deficit	5781	2594	5215	5796	5308	3761	2808	4408	5925	6863	5809	7022	7008	5252
1988 Regional Surplus/Deficit	2776	1368	4598	4948	4269	2660	1955	3074	3780	4189	5498	6623	2822	6300
1989 Regional Surplus/Deficit	4947	2693	5242	4975	3781	3587	2192	4683	6675	9573	9222	8990	7284	5172
1990 Regional Surplus/Deficit	1975	1732	5058	5675	4750	5958	7684	7230	6738	9248	9917	8159	9640	7647
1991 Regional Surplus/Deficit	6344	4236	4999	5377	6808	6236	8637	9117	5324	8566	7019	8998	8832	9167
1992 Regional Surplus/Deficit	8036	5297	5591	5588	4096	2910	3106	3314	7206	4970	4680	5409	3667	4452

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	1824	1337	4230	5101	4210	3128	2431	3403	4594	5529	4364	8166	5708	6781
1994 Regional Surplus/Deficit	4903	3273	4077	4768	4952	3928	2952	4268	4500	3977	7541	6494	5116	5695
1995 Regional Surplus/Deficit	2677	1547	4491	5281	3886	3651	4141	7626	8849	8103	5209	8485	8629	8296
1996 Regional Surplus/Deficit	5206	2992	5530	7088	8563	9789	9392	9537	9861	10116	10186	9204	9884	9501
1997 Regional Surplus/Deficit	8021	4280	6286	6594	4570	6073	9198	9635	10030	9814	9814	8844	9154	9427
1998 Regional Surplus/Deficit	8021	5696	8353	9932	6331	4485	6985	7198	7544	6976	6056	8565	9822	8469

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	6188	2432	5479	5695	4240	2431	2037	2933	3322	4049	4875	4053	7087	3779
1930 Regional Surplus/Deficit	4051	1814	5104	4528	3639	2170	1976	2409	3264	3649	4050	3405	4383	5290
1931 Regional Surplus/Deficit	2757	1842	4578	3850	4083	1937	1452	2215	2915	3503	2260	6010	3014	4516
1932 Regional Surplus/Deficit	4792	2479	5190	3982	3029	2063	680	1350	4864	6770	9128	8680	8392	5253
1933 Regional Surplus/Deficit	4050	3329	5577	5227	3399	4688	6161	6957	7247	7728	6637	7851	8199	7748
1934 Regional Surplus/Deficit	7965	6232	6626	6568	7808	8220	8668	9059	8326	8521	8535	7996	8420	5405
1935 Regional Surplus/Deficit	3136	1844	5165	4892	3129	2558	4772	8161	5841	7779	6864	7587	7980	7317
1936 Regional Surplus/Deficit	7007	2962	4940	4999	3767	2126	459	2911	3838	5293	9200	8953	9105	4924
1937 Regional Surplus/Deficit	5010	2755	4607	4206	4035	2056	1979	2161	2830	2739	2172	5569	5583	3759
1938 Regional Surplus/Deficit	5302	3126	5203	5170	3278	3784	6211	5637	7897	8807	9317	8627	9152	6601
1939 Regional Surplus/Deficit	3977	2148	5657	5484	3779	2142	1925	2881	4574	8062	8214	8926	6481	4879
1940 Regional Surplus/Deficit	3019	1581	4530	4591	3854	3457	2637	3374	7403	8570	8295	7660	7354	4190
1941 Regional Surplus/Deficit	2373	1501	5054	5048	4231	2727	1620	2960	5866	4413	5297	4475	4660	3939
1942 Regional Surplus/Deficit	4328	2928	6195	4324	4448	4185	5920	2518	4052	5733	7436	7086	9140	7377
1943 Regional Surplus/Deficit	6989	4547	5844	5471	3296	3039	5506	6113	8573	8775	8723	8543	8991	6804
1944 Regional Surplus/Deficit	6185	2612	4511	4761	4205	2384	2283	3143	3985	3674	5560	3303	2453	2721
1945 Regional Surplus/Deficit	3550	1696	5341	4366	3311	1902	1315	1716	2985	2889	2164	7321	8737	3784
1946 Regional Surplus/Deficit	4496	2279	4872	3929	3832	3949	3381	4434	8699	9116	9175	8432	8824	7138
1947 Regional Surplus/Deficit	6339	3351	5833	5356	4423	7901	7421	8918	8449	8637	7975	8622	9015	7589
1948 Regional Surplus/Deficit	5685	2769	5541	9200	6471	5707	8531	4852	7600	8057	9290	8710	7512	8488
1949 Regional Surplus/Deficit	7740	6284	6514	6169	4173	3573	2457	3418	8840	8974	9230	8918	8811	3941
1950 Regional Surplus/Deficit	3705	1568	4393	4340	3842	2806	6185	8815	8382	8470	8642	8160	7603	7911
1951 Regional Surplus/Deficit	6840	4748	6087	7162	7199	8407	9137	9071	8506	9086	9173	8547	9015	8213
1952 Regional Surplus/Deficit	7540	3479	5572	8293	5516	5755	7863	7680	6845	9245	9478	8670	9516	6973
1953 Regional Surplus/Deficit	6235	3159	5091	4477	3540	2145	1299	7426	6951	6950	7166	8679	8672	8306
1954 Regional Surplus/Deficit	6628	3492	5646	6134	4456	4872	4666	9192	8397	8728	8203	8576	7842	7483
1955 Regional Surplus/Deficit	8693	8538	8809	6157	5629	4827	2174	3953	3668	5104	6153	7409	8001	7838
1956 Regional Surplus/Deficit	8058	5728	5504	6382	6252	8164	9033	9310	8525	8640	8311	8319	8935	8521
1957 Regional Surplus/Deficit	6744	4461	5886	6505	4221	5044	4159	2710	8250	8984	8208	8962	9216	6085
1958 Regional Surplus/Deficit	4759	2186	5243	5179	4213	2632	3287	6480	8167	8898	9157	8821	9071	6018
1959 Regional Surplus/Deficit	4788	3006	5074	5070	5124	6948	9003	9181	7820	8818	8080	8392	8303	7308
1960 Regional Surplus/Deficit	7051	4187	9160	10163	7981	7181	7383	6883	6280	8304	9042	8328	9149	7028
1961 Regional Surplus/Deficit	5465	2473	5406	5706	4178	3529	4246	7936	8378	8621	6716	8462	7932	6452
1962 Regional Surplus/Deficit	5563	3796	4938	3826	4115	3201	5829	5589	4343	8793	8840	8584	8998	3901
1963 Regional Surplus/Deficit	4916	2912	4779	5967	5567	6646	6064	7517	6365	6459	6733	8273	9455	7086
1964 Regional Surplus/Deficit	6636	3454	5493	5123	4080	3767	3999	4572	4105	8004	6807	8314	8669	8222
1965 Regional Surplus/Deficit	7971	4387	7004	6998	5141	8071	9021	9101	8614	8237	9250	8404	9653	7287
1966 Regional Surplus/Deficit	7200	5600	6201	6379	4444	4243	5451	5606	3703	8389	7722	7916	8933	7357
1967 Regional Surplus/Deficit	6623	3121	5050	4607	3834	4373	8170	9128	8303	7597	3382	8047	8460	8420
1968 Regional Surplus/Deficit	7409	3835	5673	6050	4825	4236	5791	8829	7934	6286	5464	6652	8933	8089
1969 Regional Surplus/Deficit	7287	5430	7843	7277	6492	5850	9171	9374	7498	8947	8555	8653	9034	7948
1970 Regional Surplus/Deficit	5740	2369	5466	5763	4479	2633	4370	4707	7474	7768	6274	7983	9383	6140
1971 Regional Surplus/Deficit	4560	2045	4867	4642	3916	3039	8604	9146	8645	8692	8967	8414	9073	8689
1972 Regional Surplus/Deficit	8287	6302	6516	6466	4705	4395	8120	9302	8041	8127	8784	8420	7762	7749
1973 Regional Surplus/Deficit	8589	7796	6772	6150	4767	5091	4410	3530	4422	2831	5002	6231	6453	3815
1974 Regional Surplus/Deficit	2795	1235	4524	4087	3259	6005	8917	9080	8392	8822	8504	7841	7609	7909
1975 Regional Surplus/Deficit	7886	6466	6174	5010	4323	3046	4377	6587	8219	6472	5847	8687	9294	8584
1976 Regional Surplus/Deficit	5895	4573	6428	7433	7123	8604	9240	9454	8754	9129	9205	8531	9265	8229
1977 Regional Surplus/Deficit	8734	8531	10424	6128	4434	2563	2004	3494	3916	2778	4395	2146	1814	2819
1978 Regional Surplus/Deficit	4185	2630	5416	3834	2966	4555	4525	4801	7640	8439	7738	8679	8864	7432
1979 Regional Surplus/Deficit	5509	3474	7872	6368	4319	2010	2501	4764	7105	6294	6907	8907	6808	3670
1980 Regional Surplus/Deficit	2296	1363	4360	3964	3860	2454	1443	2404	5547	8002	8624	8912	9221	4421
1981 Regional Surplus/Deficit	4071	1939	5231	5388	4251	7513	8517	7868	6164	4646	6527	7989	8183	8308
1982 Regional Surplus/Deficit	7949	6908	5747	5811	4779	3984	4817	9246	8228	9105	7947	8261	8456	8311
1983 Regional Surplus/Deficit	7954	5410	7559	7284	5126	4890	6867	8280	8679	8943	8065	8467	9402	8497
1984 Regional Surplus/Deficit	7987	5592	6634	6051	7419	4287	8394	6902	8789	9377	9517	8379	9007	8491
1985 Regional Surplus/Deficit	6938	3112	6101	5914	5020	3976	3903	3861	6408	8750	8704	8547	8610	3789
1986 Regional Surplus/Deficit	1914	1209	4946	5307	5402	2189	4969	8242	8497	8660	9191	7648	9492	6529
1987 Regional Surplus/Deficit	5657	2424	4825	3898	4542	2970	2188	3258	5330	5429	6250	7847	7858	5329
1988 Regional Surplus/Deficit	2648	1156	4220	3373	3255	1514	886	2285	3091	3695	5896	6477	4199	5024
1989 Regional Surplus/Deficit	4832	2517	4832	4006	3187	2173	1431	3614	5217	8761	8972	8391	8651	3802
1990 Regional Surplus/Deficit	1813	1572	4664	4007	4336	5404	5019	8520	6891	7453	9002	8102	8302	6375
1991 Regional Surplus/Deficit	6203	4065	4612	3648	7208	5655	7464	8920	7168	8475	7916	8470	8733	7882
1992 Regional Surplus/Deficit	7824	5129	5186	4094	3925	1995	2354	4205	6598	4405	5056	5590	3789	3182

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	1667	1171	3874	4109	3523	2182	1600	2449	3381	4937	4044	7910	6753	5549
1994 Regional Surplus/Deficit	4788	3100	3718	3582	3958	2498	1971	3618	3783	3566	6189	6601	7371	3928
1995 Regional Surplus/Deficit	2541	1387	4116	3880	3155	2079	2265	6182	8206	8438	6372	8617	9417	6383
1996 Regional Surplus/Deficit	5093	2820	5112	6303	8128	8591	8953	8881	8260	8552	8621	8608	8889	8404
1997 Regional Surplus/Deficit	7818	4109	5867	5875	4523	5552	8911	9298	8548	8573	8194	8066	8080	8109
1998 Regional Surplus/Deficit	7827	5532	7870	9325	6422	3926	6112	5723	6413	6805	7603	8758	8858	7153

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5892	1623	4721	5037	3632	1532	1379	2331	2834	3743	4764	2900	4878	2563
1930 Regional Surplus/Deficit	4386	2027	4912	3862	3023	1271	1316	1814	2815	3340	3935	2216	2187	4452
1931 Regional Surplus/Deficit	4666	1914	4516	3168	3493	1038	794	1616	-91	3200	2055	4857	803	3691
1932 Regional Surplus/Deficit	2961	118	3839	3306	2385	1165	28	802	4440	6508	8931	7263	7329	4435
1933 Regional Surplus/Deficit	4572	2420	5180	4563	2739	3792	5472	6346	6814	7499	6475	6406	7058	6951
1934 Regional Surplus/Deficit	7322	5864	5610	5920	7128	7692	8330	8912	7993	8613	8383	6462	6281	4546
1935 Regional Surplus/Deficit	2850	1329	4441	4232	2431	1660	4103	7542	5426	7551	6696	6196	5737	6214
1936 Regional Surplus/Deficit	6505	2035	4257	4328	3148	1228	-184	2309	3403	4993	8836	7515	7610	4117
1937 Regional Surplus/Deficit	4238	1560	3999	3533	3447	1158	1319	1565	1896	2485	1966	4484	3396	1751
1938 Regional Surplus/Deficit	4429	1932	4833	4508	2611	2889	5522	5022	7430	8556	9121	7214	7452	5650
1939 Regional Surplus/Deficit	3674	1001	4911	4827	3151	1241	1267	2281	4142	7838	7937	7338	4287	4070
1940 Regional Surplus/Deficit	3660	1177	4405	3933	3267	2562	1976	2771	6978	8341	8002	6336	5130	3407
1941 Regional Surplus/Deficit	2966	914	4381	4391	3644	1830	964	2359	5450	4102	5183	3391	2474	3131
1942 Regional Surplus/Deficit	3312	852	4876	3643	3864	3290	5246	1923	3617	5443	7215	5771	7790	6295
1943 Regional Surplus/Deficit	6028	3286	5857	4811	2620	2143	4820	5499	8055	8883	8650	7139	7061	5837
1944 Regional Surplus/Deficit	4919	2794	4700	4091	3593	1485	1624	2540	3546	3371	5441	2138	208	1589
1945 Regional Surplus/Deficit	3247	682	4192	3689	2673	1002	660	1168	2432	2635	1958	5954	6411	2099
1946 Regional Surplus/Deficit	4716	1440	4666	3233	3203	3054	2718	3821	8148	9175	8994	7093	7395	6123
1947 Regional Surplus/Deficit	5637	3217	5666	4687	3818	6961	6725	8300	8097	8411	7732	7100	7518	6458
1948 Regional Surplus/Deficit	5232	2622	5145	8528	5907	4807	7821	4238	7153	7831	8892	7392	6564	7255
1949 Regional Surplus/Deficit	7365	6107	5891	5517	3557	2678	1796	2812	8447	8786	9061	7474	7581	2809
1950 Regional Surplus/Deficit	3107	742	4174	3662	3218	1910	5511	8197	8068	8590	8542	6571	6722	6781
1951 Regional Surplus/Deficit	7264	5242	5715	6514	6603	7459	8709	9029	8174	9013	8993	7112	7378	7252
1952 Regional Surplus/Deficit	7051	3577	5754	7624	4952	4856	7162	7058	6427	9122	9299	7354	8060	5977
1953 Regional Surplus/Deficit	5689	2093	4386	3804	2907	1246	646	6803	6530	6698	6981	7089	7412	7082
1954 Regional Surplus/Deficit	5536	3878	5405	5482	3858	3976	3998	8573	7998	8504	7964	7056	6669	6784
1955 Regional Surplus/Deficit	7926	7741	8434	5506	5071	3931	1516	3342	3229	4794	6008	6102	6934	7025
1956 Regional Surplus/Deficit	7309	5121	4800	5732	5689	7218	8625	8920	8043	8737	7875	7040	6897	7430
1957 Regional Surplus/Deficit	6082	3902	5470	5856	3603	4148	3493	2116	7774	9092	7945	7662	7168	5180
1958 Regional Surplus/Deficit	4617	1270	4808	4514	3609	1733	2625	5852	7678	8668	8824	7528	7807	5131
1959 Regional Surplus/Deficit	4424	2198	4823	4407	4554	6025	8478	8553	7362	8921	7836	6705	6865	6238
1960 Regional Surplus/Deficit	7408	4200	9067	9518	7287	6255	6684	6271	5865	8438	8588	6791	7599	6001
1961 Regional Surplus/Deficit	5904	2035	4518	5051	3566	2634	3579	7315	8043	8394	6548	7005	6653	5475
1962 Regional Surplus/Deficit	4034	2318	4739	3135	3505	2306	5155	4974	3910	8777	8703	6996	7665	3115
1963 Regional Surplus/Deficit	4435	2144	4340	5319	5008	5726	5389	6893	5950	6180	6579	6887	7119	6034
1964 Regional Surplus/Deficit	5653	2832	5399	4449	3460	2873	3333	3959	3669	7773	6647	6778	7540	7280
1965 Regional Surplus/Deficit	7335	4227	6355	6349	4571	7124	8589	8848	8147	8012	9066	6987	7887	6234
1966 Regional Surplus/Deficit	7205	5103	5144	5730	3849	3348	4780	4992	3252	8346	7515	6495	6640	6242
1967 Regional Surplus/Deficit	6123	2422	4772	3936	3203	3478	7466	8500	7791	7358	3250	6535	6793	7085
1968 Regional Surplus/Deficit	6735	2990	5436	5397	4242	3341	5117	8211	7489	6010	5343	5489	7452	6763
1969 Regional Surplus/Deficit	6846	4916	7360	6627	5929	4950	8438	9063	7062	8982	8441	7320	7588	6764
1970 Regional Surplus/Deficit	5579	1859	4655	5110	3883	1735	3704	4094	7042	7533	6133	6565	8010	5254
1971 Regional Surplus/Deficit	5062	1381	4576	3971	3295	2142	7896	8996	8146	8789	8591	7113	7379	7498
1972 Regional Surplus/Deficit	7860	5962	5892	5816	4103	3500	7420	9119	7591	8263	8500	7122	6819	6953
1973 Regional Surplus/Deficit	7949	7469	6443	5499	4176	4195	3744	2924	3991	2546	4887	5060	4258	3036
1974 Regional Surplus/Deficit	3970	865	4627	3409	2587	5090	8552	8972	8067	8763	8392	6532	6712	7107
1975 Regional Surplus/Deficit	7617	6804	5753	4328	3714	2148	3711	5973	7750	6196	5720	7116	7440	7557
1976 Regional Surplus/Deficit	6166	5230	6386	6783	6528	8048	8750	8688	8352	8889	8980	7179	7691	7195
1977 Regional Surplus/Deficit	7958	7733	9677	5478	3833	1666	1344	2886	3479	2524	4282	925	-429	1657
1978 Regional Surplus/Deficit	3576	1113	4239	3127	2268	3645	3857	4187	7197	8533	7531	7061	6562	6346
1979 Regional Surplus/Deficit	4913	2382	7613	5719	3721	1108	1839	4150	6683	6019	6733	7384	4609	2856
1980 Regional Surplus/Deficit	2666	770	4249	3289	3257	1557	789	1812	5129	7778	8337	7567	7801	3632
1981 Regional Surplus/Deficit	3293	979	4884	4732	3650	6585	7797	7247	5749	4334	6362	6532	7081	7009
1982 Regional Surplus/Deficit	7077	6275	5293	5157	4202	3089	4148	8826	7918	8956	7674	6819	7060	7080
1983 Regional Surplus/Deficit	7342	6370	7084	6635	4552	3995	6176	7661	8139	9023	7784	6926	8008	7232
1984 Regional Surplus/Deficit	7070	5636	6001	5399	6804	3393	7679	6276	8269	9125	9052	6871	7803	7216
1985 Regional Surplus/Deficit	6304	3367	5804	5259	4441	3082	3237	3251	5991	8481	8366	7072	6332	811
1986 Regional Surplus/Deficit	2960	625	4161	4649	4844	1290	4300	7610	8196	8737	8953	6280	7658	5548
1987 Regional Surplus/Deficit	5425	1808	4403	3211	3955	2073	1530	2654	4909	5132	6103	6456	5593	4486
1988 Regional Surplus/Deficit	2708	467	4169	2677	2648	625	230	1688	2642	3389	5763	5353	1990	4194
1989 Regional Surplus/Deficit	4518	1834	4237	3319	2522	1274	776	3005	4796	8858	8765	6825	6368	1368
1990 Regional Surplus/Deficit	3167	1588	4499	3327	3758	4505	4349	7902	6468	7216	8836	6540	7240	5440
1991 Regional Surplus/Deficit	6603	3643	4299	2941	6577	4753	6765	8301	6736	8580	7640	6883	7255	6928
1992 Regional Surplus/Deficit	7214	5336	4778	3404	3310	1094	1693	3593	6178	4094	4938	4478	1591	2403

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	2376	183	4057	3443	2903	1284	941	1848	2932	4629	3921	6446	4551	4707
1994 Regional Surplus/Deficit	4554	2132	4060	2885	3373	1602	1312	3008	3340	3263	6049	5457	5138	3147
1995 Regional Surplus/Deficit	3060	1087	4217	3201	2504	1179	1607	5554	7726	8209	6218	7109	8020	5455
1996 Regional Surplus/Deficit	4537	2539	4907	5655	7407	7954	8554	8844	7955	8668	8565	7208	7617	7330
1997 Regional Surplus/Deficit	7294	4958	5364	5219	3928	4639	8495	8820	8107	8344	8148	6746	7022	7204
1998 Regional Surplus/Deficit	7180	5974	7280	8657	5858	3031	5425	5108	5998	6549	7373	7395	7637	6113

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	5117	921	4109	4519	3163	1037	373	1355	1867	3482	3648	2560	5125	1387
1930 Regional Surplus/Deficit	3715	1315	4310	3333	2553	772	309	834	1856	3077	2816	1864	2437	3382
1931 Regional Surplus/Deficit	3999	1199	3908	2624	3023	540	-211	638	-1087	2941	895	4480	1048	2612
1932 Regional Surplus/Deficit	2182	-545	3210	2768	1903	668	-971	-127	3530	6254	7708	6585	6859	3351
1933 Regional Surplus/Deficit	3907	1696	4596	4038	2244	3317	4434	5387	5975	7256	5342	5879	6534	6133
1934 Regional Surplus/Deficit	6139	5082	5016	5419	6642	7415	7327	8112	7450	8213	7472	5831	6388	3638
1935 Regional Surplus/Deficit	1964	629	3831	3710	1948	1168	3084	6564	4553	7309	5561	5697	5971	5225
1936 Regional Surplus/Deficit	5531	1322	3629	3796	2678	731	-1180	1334	2467	4728	7610	6916	7438	3022
1937 Regional Surplus/Deficit	3568	855	3369	2997	2977	664	311	585	914	2259	806	4153	3649	534
1938 Regional Surplus/Deficit	3761	1222	4234	3985	2108	2415	4484	4065	6580	8267	8124	6572	7473	4633
1939 Regional Surplus/Deficit	2921	318	4318	4309	2677	730	262	1304	3214	7595	6754	6739	4538	2977
1940 Regional Surplus/Deficit	2923	486	3787	3414	2797	2089	966	1796	6135	8094	6812	5864	5371	2275
1941 Regional Surplus/Deficit	2108	223	3772	3872	3174	1344	-39	1383	4579	3834	4069	3063	2727	2037
1942 Regional Surplus/Deficit	2642	142	4286	3101	3393	2817	4211	942	2683	5181	6056	5304	7427	5315
1943 Regional Surplus/Deficit	5192	2553	5278	4289	2107	1657	3785	4534	7194	8474	7800	6500	6667	4826
1944 Regional Surplus/Deficit	4251	2072	4077	3558	3123	984	617	1565	2605	3112	4326	1794	443	418
1945 Regional Surplus/Deficit	2569	-15	3587	3150	2194	494	-341	239	1463	2409	798	5458	6611	899
1946 Regional Surplus/Deficit	4051	740	4056	2676	2728	2581	1707	2857	7274	8768	8053	6443	7223	5127
1947 Regional Surplus/Deficit	4911	2489	5072	4156	3350	6400	5681	7312	7384	8150	6551	6509	7330	5488
1948 Regional Surplus/Deficit	4535	1902	4545	8004	5401	4319	6766	3276	6316	7589	7884	6714	6048	6278
1949 Regional Surplus/Deficit	6174	5316	5305	5008	3087	2202	787	1840	7591	8496	8048	6808	7209	1638
1950 Regional Surplus/Deficit	2221	79	3540	3121	2746	1424	4484	7211	7539	8178	7645	5958	6178	5811
1951 Regional Surplus/Deficit	6155	4482	5122	6017	6085	6886	7845	8427	7629	8759	8052	6470	7145	6277
1952 Regional Surplus/Deficit	5981	2844	5161	7105	4469	4364	6115	6087	5575	8756	8358	6677	7792	4976
1953 Regional Surplus/Deficit	4973	1386	3752	3269	2430	747	-354	5833	5682	6448	5838	6491	6942	6126
1954 Regional Surplus/Deficit	4797	3142	4800	4973	3389	3501	2981	7571	7110	8261	6798	6424	6119	5978
1955 Regional Surplus/Deficit	6510	6499	7778	4997	4580	3454	510	2375	2287	4526	4883	5640	6390	6204
1956 Regional Surplus/Deficit	6187	4364	4179	5226	5175	6649	7786	7889	7181	8330	7082	6373	6850	6589
1957 Regional Surplus/Deficit	5297	3165	4868	5352	3132	3672	2477	1134	6924	8684	6768	6985	6867	4145
1958 Regional Surplus/Deficit	3950	581	4201	3987	3140	1236	1614	4882	6827	8405	7618	6854	7413	4088
1959 Regional Surplus/Deficit	3746	1486	4218	3882	4076	5498	7414	7547	6525	8514	6647	6111	6349	5256
1960 Regional Surplus/Deficit	6204	3458	8333	8980	6811	5715	5639	5304	4991	8020	7689	6242	7470	5009
1961 Regional Surplus/Deficit	5129	1326	3901	4537	3097	2160	2562	6342	7282	8097	5340	6366	6391	4467
1962 Regional Surplus/Deficit	3340	1596	4121	2584	3036	1827	4119	4016	2980	8367	7798	6372	7329	1962
1963 Regional Surplus/Deficit	3767	1417	3719	4818	4518	5208	4354	5923	5090	5921	5450	6381	7314	5047
1964 Regional Surplus/Deficit	4873	2107	4804	3912	2988	2398	2319	2996	2732	7530	5515	6193	7096	6377
1965 Regional Surplus/Deficit	6157	3484	5780	5854	4093	6553	7725	8032	7280	7770	8121	6330	7853	5248
1966 Regional Surplus/Deficit	6018	4346	4533	5227	3380	2875	3759	4034	2289	7929	6362	5973	6849	5231
1967 Regional Surplus/Deficit	5261	1706	4152	3403	2728	3004	6418	7491	6909	7112	2116	5979	6818	6104
1968 Regional Surplus/Deficit	5744	2262	4842	4886	3771	2868	4081	7221	6651	5752	4227	5107	7274	5776
1969 Regional Surplus/Deficit	5827	4164	6770	6133	5424	4462	7373	8055	6224	8601	7556	6646	7400	5771
1970 Regional Surplus/Deficit	4860	1149	4045	4597	3415	1241	2678	3130	6202	7288	5010	6042	7655	4211
1971 Regional Surplus/Deficit	4389	684	3955	3438	2823	1656	6840	8024	7286	8382	7627	6441	7432	6655
1972 Regional Surplus/Deficit	6479	5182	5305	5310	3635	3026	6374	8258	6955	7843	7301	6451	6301	6134
1973 Regional Surplus/Deficit	6540	6555	5865	4988	3707	3718	2728	1952	3063	2299	3774	4672	4510	1886
1974 Regional Surplus/Deficit	3277	179	4013	2868	2079	4586	7759	8205	7528	8498	7507	5859	6175	6288
1975 Regional Surplus/Deficit	6345	5965	5165	3784	3245	1660	2695	5017	6908	5938	4602	6489	7159	6587
1976 Regional Surplus/Deficit	5361	4473	5809	6290	6010	7664	7686	7682	7583	8596	7717	6503	7585	6357
1977 Regional Surplus/Deficit	6572	6491	8861	4969	3364	1174	337	1915	2541	2298	3164	535	-216	484
1978 Regional Surplus/Deficit	2902	406	3619	2559	1784	3156	2840	3225	6361	8127	6379	6438	6773	5367
1979 Regional Surplus/Deficit	4236	1660	7004	5219	3253	595	830	3188	5836	5761	5594	6790	4858	1702
1980 Regional Surplus/Deficit	1778	83	3631	2751	2788	1064	-211	829	4242	7534	7150	6888	7489	2514
1981 Regional Surplus/Deficit	2505	289	4292	4217	3182	6040	6736	6274	4884	4066	5228	5985	6621	6031
1982 Regional Surplus/Deficit	5750	5451	4695	4643	3728	2615	3125	8079	7173	8659	6493	6177	6885	6124
1983 Regional Surplus/Deficit	6089	5554	6493	6141	4077	3512	5136	6684	7481	8616	6600	6318	7661	6277
1984 Regional Surplus/Deficit	5898	4863	5416	4890	6293	2919	6621	5307	7405	8864	7914	6291	7387	6261
1985 Regional Surplus/Deficit	5457	2638	5216	4744	3968	2608	2222	2283	5135	8194	7159	6462	6552	-439
1986 Regional Surplus/Deficit	2074	-38	3532	4130	4352	795	3280	6603	7681	8330	7867	5784	7345	4542
1987 Regional Surplus/Deficit	4716	1097	3780	2662	3485	1589	525	1680	4006	4866	4976	5948	5818	3419
1988 Regional Surplus/Deficit	1822	-211	3545	2121	2179	107	-773	708	1681	3129	4643	4992	2236	3119
1989 Regional Surplus/Deficit	3853	1119	3622	2771	2021	775	-225	2036	3894	8451	7801	6253	6586	130
1990 Regional Surplus/Deficit	2365	881	3886	2784	3285	4018	3328	6915	5622	6971	7745	5980	6770	4418
1991 Regional Surplus/Deficit	5564	2906	3671	2376	6074	4262	5719	7306	5896	8172	6430	6287	7083	6087
1992 Regional Surplus/Deficit	5950	4567	4163	2854	2840	581	685	2628	5329	3826	3824	4126	1841	1255

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	1491	-494	3435	2915	2432	788	-64	872	1972	4361	2796	5892	4799	3640
1994 Regional Surplus/Deficit	3878	1407	3426	2328	2903	1118	306	2040	2392	3004	4926	5085	5376	2010
1995 Regional Surplus/Deficit	2259	390	3595	2660	2017	672	601	4584	6875	7949	5089	6529	7674	4431
1996 Regional Surplus/Deficit	3871	1816	4316	5155	6952	7363	7726	8140	7291	8258	7731	6530	7226	6471
1997 Regional Surplus/Deficit	6113	4202	4764	4703	3459	4141	7649	8001	7365	8097	7322	6078	6550	6369
1998 Regional Surplus/Deficit	6100	5195	6690	8129	5345	2558	4387	4150	5130	6297	6210	6719	7227	5124

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	4190	-25	3212	3691	2291	215	95	1068	1643	2617	3231	1874	3724	1145
1930 Regional Surplus/Deficit	2751	363	3447	2517	1676	-44	23	552	1629	2217	2393	1197	1000	3136
1931 Regional Surplus/Deficit	3047	245	3026	1827	2160	-278	-483	353	-1278	2071	469	3807	-392	2364
1932 Regional Surplus/Deficit	1194	-1395	2247	1964	1008	-153	-1183	-392	3289	5411	7693	6381	6728	3102
1933 Regional Surplus/Deficit	2951	740	3771	3218	1338	2434	4097	5110	5739	6399	4956	5377	6515	6109
1934 Regional Surplus/Deficit	5216	4170	4172	4573	5787	6557	7148	7936	7309	7790	7414	5486	5153	3245
1935 Regional Surplus/Deficit	942	-315	2941	2885	1026	339	2750	6308	4308	6450	5176	5157	4593	5033
1936 Regional Surplus/Deficit	4618	368	2670	2985	1798	-89	-1350	1046	2233	3892	7281	6543	6801	2773
1937 Regional Surplus/Deficit	2604	-92	2404	2190	2114	-161	18	302	696	1342	380	3434	2219	304
1938 Regional Surplus/Deficit	2799	271	3375	3163	1196	1546	4145	3772	6356	7406	7852	6236	6325	4402
1939 Regional Surplus/Deficit	1937	-610	3477	3480	1793	-63	-8.0	1018	2978	6735	6400	6342	3125	2728
1940 Regional Surplus/Deficit	1941	-451	2869	2587	1935	1216	666	1507	5895	7232	6462	5305	3981	2026
1941 Regional Surplus/Deficit	1111	-714	2888	3044	2312	503	-288	1096	4334	2994	3659	2343	1300	1788
1942 Regional Surplus/Deficit	1678	-809	3450	2302	2533	1939	3871	660	2448	4345	5687	4738	6942	5106
1943 Regional Surplus/Deficit	4272	1601	4464	3465	1188	816	3438	4243	6990	8240	7895	6173	6501	4598
1944 Regional Surplus/Deficit	3299	1116	3139	2747	2248	172	334	1276	2372	2242	3920	1114	-1000	175
1945 Regional Surplus/Deficit	1601	-957	2712	2347	1303	-306	-584	-26	1240	1492	372	4929	5280	663
1946 Regional Surplus/Deficit	3094	-204	3166	1896	1843	1708	1395	2562	7083	8235	8079	6096	6721	4864
1947 Regional Surplus/Deficit	3978	1534	4227	3343	2479	5532	5368	7071	7203	7288	6188	6108	6828	5288
1948 Regional Surplus/Deficit	3595	947	3685	7153	4559	3423	6479	2981	6087	6729	7847	6508	6013	6127
1949 Regional Surplus/Deficit	5252	4408	4478	4170	2210	1338	489	1549	7406	7636	7834	6585	6795	1395
1950 Regional Surplus/Deficit	1199	-771	2569	2320	1864	583	4143	6967	7393	7968	7309	5580	6007	5610
1951 Regional Surplus/Deficit	5244	3557	4280	5168	5244	6027	7596	8268	7488	7900	7816	6128	6250	6127
1952 Regional Surplus/Deficit	5071	1892	4319	6235	3619	3467	5818	5813	5331	8457	8348	6467	7176	4751
1953 Regional Surplus/Deficit	4037	436	2782	2461	1542	-69	-577	5555	5441	5602	5459	6089	6810	5942
1954 Regional Surplus/Deficit	3866	2192	3927	4135	2522	2618	2649	7338	6921	7399	6434	6080	6152	5968
1955 Regional Surplus/Deficit	5575	5852	6942	4158	3734	2571	236	2081	2055	3687	4491	5069	6411	6179
1956 Regional Surplus/Deficit	5276	3436	3251	4385	4332	5787	7579	7681	6979	7963	7221	6142	6402	6476
1957 Regional Surplus/Deficit	4372	2216	4004	4509	2254	2788	2146	853	6702	8450	6410	6796	6578	3907
1958 Regional Surplus/Deficit	2988	-353	3321	3169	2269	418	1307	4592	6610	7543	7277	6549	7039	3848
1959 Regional Surplus/Deficit	2778	534	3344	3061	3223	4616	7152	7320	6301	7963	6305	5706	6312	5044
1960 Regional Surplus/Deficit	5281	2515	7520	8153	5955	4840	5334	5020	4746	7847	7513	5772	6814	4790
1961 Regional Surplus/Deficit	4203	375	2990	3704	2222	1291	2230	6074	7093	7235	4955	6036	6072	4240
1962 Regional Surplus/Deficit	2367	641	3204	1796	2162	970	3777	3724	2744	8150	7853	6005	6867	1715
1963 Regional Surplus/Deficit	2806	462	2786	3972	3672	4321	4016	5646	4845	5083	5061	5865	5989	4833
1964 Regional Surplus/Deficit	3948	1151	3957	3106	2108	1528	1992	2701	2499	6673	5128	5775	6891	6338
1965 Regional Surplus/Deficit	5234	2541	4970	5004	3240	5692	7519	7870	7082	6910	8145	5998	6875	5034
1966 Regional Surplus/Deficit	5094	3418	3638	4383	2515	1995	3426	3741	2064	7748	5990	5464	5506	5062
1967 Regional Surplus/Deficit	4343	752	3228	2592	1842	2124	6127	7267	6713	6260	1685	5518	6257	5948
1968 Regional Surplus/Deficit	4815	1307	3998	4050	2911	1990	3735	6971	6421	4913	3823	4440	6701	5617
1969 Regional Surplus/Deficit	4899	3231	5936	5284	4582	3576	7115	7864	5990	7865	7625	6399	6903	5608
1970 Regional Surplus/Deficit	3925	198	3157	3763	2549	416	2333	2835	5966	6434	4616	5549	7282	3971
1971 Regional Surplus/Deficit	3440	-258	3029	2627	1942	815	6547	7818	7082	8131	7553	6215	6419	6611
1972 Regional Surplus/Deficit	5550	4269	4476	4468	2765	2148	6074	8058	6792	7677	6956	6224	6269	6111
1973 Regional Surplus/Deficit	5607	5658	5051	4151	2843	2835	2398	1661	2827	1405	3364	4012	3097	1639
1974 Regional Surplus/Deficit	2303	-752	3108	2067	1163	3691	7570	8045	7385	7650	7577	5552	6181	6264
1975 Regional Surplus/Deficit	5419	5065	4333	2987	2371	824	2366	4730	6689	5099	4202	6135	6830	6488
1976 Regional Surplus/Deficit	4438	3545	4997	5437	5169	6816	7426	7455	7399	8239	7739	6242	7002	6317
1977 Regional Surplus/Deficit	5620	5844	8088	4130	2495	345	52	1623	2307	1381	2742	-12	-1614	241
1978 Regional Surplus/Deficit	1936	-543	2695	1793	863	2260	2507	2929	6129	7872	6006	6078	5428	5158
1979 Regional Surplus/Deficit	3289	704	6167	4373	2385	-195	526	2892	5595	4922	5212	6399	3450	1456
1980 Regional Surplus/Deficit	778	-850	2712	1946	1918	236	-439	550	3998	6672	6798	6687	6925	2265
1981 Regional Surplus/Deficit	1516	-647	3452	3385	2313	5168	6453	6007	4639	3224	4843	5524	6470	5882
1982 Regional Surplus/Deficit	4825	4550	3839	3809	2872	1741	2776	7919	7018	7804	6138	5846	6299	5942
1983 Regional Surplus/Deficit	5165	4652	5660	5291	3222	2615	4805	6424	7336	7914	6246	5936	7056	6103
1984 Regional Surplus/Deficit	4986	3946	4590	4052	5451	2042	6320	5023	7201	8368	7661	5872	7144	6089
1985 Regional Surplus/Deficit	4538	1683	4384	3912	3110	1734	1895	1990	4891	7332	6819	6087	5194	-660
1986 Regional Surplus/Deficit	1052	-888	2570	3303	3506	-28	2946	6341	7531	7995	7551	5255	6534	4315
1987 Regional Surplus/Deficit	3779	145	2844	1872	2623	744	256	1391	3764	4031	4585	5435	4453	3173
1988 Regional Surplus/Deficit	823	-1134	2605	1340	1306	-676	-1022	425	1455	2263	4245	4301	796	2871
1989 Regional Surplus/Deficit	2898	165	2715	1980	1111	-41	-466	1743	3652	8200	7610	5816	5231	-93
1990 Regional Surplus/Deficit	1374	-67	2988	1985	2428	3136	2994	6672	5381	6118	7698	5525	6640	4184
1991 Regional Surplus/Deficit	4643	1957	2711	1607	5229	3371	5417	7069	5660	7521	6102	5887	6323	6048
1992 Regional Surplus/Deficit	5027	3648	3258	2065	1963	-210	387	2333	5087	2985	3417	3426	403	1008

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	469	-1417	2504	2098	1552	-34	-340	584	1746	3522	2368	5435	3393	3394
1994 Regional Surplus/Deficit	2931	452	2456	1548	2042	272	30	1746	2161	2135	4531	4407	3991	1762
1995 Regional Surplus/Deficit	1267	-551	2660	1859	1117	-129	327	4293	6655	7087	4700	6111	7085	4196
1996 Regional Surplus/Deficit	2911	860	3479	4308	6096	6647	7532	7981	7137	8038	7839	6298	6931	6364
1997 Regional Surplus/Deficit	5190	3273	3905	3872	2593	3244	7452	7839	7210	7639	7437	5755	6423	6331
1998 Regional Surplus/Deficit	5190	4281	5857	7286	4503	1683	4046	3858	4885	5452	5844	6448	6971	4907

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	3955	-293	2986	3478	1874	-121	-369	707	1302	1952	2500	3097	4537	807
1930 Regional Surplus/Deficit	2465	88	3219	2304	1260	-378	-441	185	1289	1550	1660	2407	1836	2828
1931 Regional Surplus/Deficit	2768	-31	2799	1613	1742	-613	-947	-11	-1619	1408	-278	5060	450	2053
1932 Regional Surplus/Deficit	914	-1635	2026	1750	593	-489	-1648	-772	2949	4727	7084	7339	6818	2790
1933 Regional Surplus/Deficit	2670	459	3539	3005	924	2076	3633	4757	5397	5714	4228	6562	6532	5829
1934 Regional Surplus/Deficit	5086	3930	3942	4360	5370	6198	6924	7556	6967	7243	6862	6598	5942	2941
1935 Regional Surplus/Deficit	687	-581	2714	2673	616	0.7	2287	5947	3967	5766	4449	6360	5399	4752
1936 Regional Surplus/Deficit	4440	92	2449	2771	1382	-424	-1817	685	1893	3212	6548	7626	7111	2458
1937 Regional Surplus/Deficit	2317	-362	2184	1976	1696	-499	-446	-64	355	685	-366	4693	3047	-46
1938 Regional Surplus/Deficit	2513	-2.8	3146	2950	782	1193	3682	3423	6013	6722	7352	7280	7110	4110
1939 Regional Surplus/Deficit	1653	-862	3247	3267	1377	-390	-472	655	2637	6050	5670	7464	3943	2414
1940 Regional Surplus/Deficit	1656	-711	2645	2374	1516	862	203	1148	5554	6548	5732	6516	4790	1700
1941 Regional Surplus/Deficit	842	-973	2661	2831	1893	160	-752	734	3993	2318	2930	3600	2126	1473
1942 Regional Surplus/Deficit	1392	-1083	3220	2088	2114	1583	3408	294	2108	3663	4959	5952	7306	4824
1943 Regional Surplus/Deficit	4055	1319	4232	3252	775	473	2975	3894	6646	7884	7415	7225	6540	4307
1944 Regional Surplus/Deficit	3022	836	2916	2533	1832	-161	-130	916	2032	1579	3191	2332	-147	-162
1945 Regional Surplus/Deficit	1313	-1221	2485	2133	888	-635	-1048	-406	899	835	-374	6126	6072	318
1946 Regional Surplus/Deficit	2812	-470	2940	1680	1428	1354	933	2210	6738	7551	7476	7169	6977	4620
1947 Regional Surplus/Deficit	3726	1252	3997	3130	2062	5180	4904	6704	6858	6604	5459	7229	7172	5008
1948 Regional Surplus/Deficit	3332	667	3456	6935	4134	3064	6014	2630	5744	6045	7113	7419	6040	5847
1949 Regional Surplus/Deficit	5131	4176	4247	3957	1794	986	26	1191	7061	6952	7346	7523	7137	1058
1950 Regional Surplus/Deficit	945	-1010	2349	2106	1448	240	3680	6602	7096	7627	6578	6712	6190	5330
1951 Regional Surplus/Deficit	5097	3297	4050	4955	4819	5676	7130	7939	7190	7544	7283	7224	7036	5845
1952 Regional Surplus/Deficit	4915	1611	4089	6019	3197	3108	5353	5459	4990	7859	7613	7384	7666	4463
1953 Regional Surplus/Deficit	3782	164	2561	2247	1127	-403	-1041	5202	5099	4917	4731	7214	6901	5664
1954 Regional Surplus/Deficit	3619	1912	3699	3922	2104	2260	2186	6969	6577	6715	5705	7185	6135	5689
1955 Regional Surplus/Deficit	5470	5720	6706	3946	3310	2212	-227	1727	1714	3011	3763	6285	6402	5898
1956 Regional Surplus/Deficit	5132	3173	3028	4172	3907	5436	7112	7301	6634	7279	6781	7082	6356	6192
1957 Regional Surplus/Deficit	4140	1936	3776	4296	1838	2430	1684	486	6358	8095	5681	7672	6654	3610
1958 Regional Surplus/Deficit	2702	-610	3094	2956	1852	83	844	4242	6266	6859	6546	7535	7317	3548
1959 Regional Surplus/Deficit	2490	259	3116	2849	2802	4261	6686	6949	5957	7279	5576	6857	6341	4761
1960 Regional Surplus/Deficit	5158	2238	7281	7936	5539	4486	4870	4669	4405	7527	6780	6940	7100	4504
1961 Regional Surplus/Deficit	3968	102	2766	3492	1805	939	1767	5718	6749	6551	4227	7128	6306	3951
1962 Regional Surplus/Deficit	2079	360	2980	1582	1746	622	3314	3375	2404	7804	7325	7118	7226	1384
1963 Regional Surplus/Deficit	2520	180	2563	3759	3248	3964	3553	5293	4504	4400	4333	7055	6779	4549
1964 Regional Surplus/Deficit	3714	870	3728	2892	1692	1175	1529	2349	2158	5989	4401	6910	7036	6053
1965 Regional Surplus/Deficit	5110	2265	4737	4790	2819	5341	7052	7523	6738	6225	7522	7076	7489	4750
1966 Regional Surplus/Deficit	4968	3156	3412	4170	2097	1638	2963	3392	1723	7423	5261	6652	6302	4781
1967 Regional Surplus/Deficit	4134	474	3004	2379	1427	1767	5662	6895	6369	5576	948	6681	6315	5670
1968 Regional Surplus/Deficit	4655	1025	3768	3837	2492	1634	3272	6608	6078	4230	3094	5692	6963	5339
1969 Regional Surplus/Deficit	4747	2965	5702	5070	4156	3217	6649	7481	5647	7381	7061	7375	7245	5330
1970 Regional Surplus/Deficit	3671	-75	2931	3550	2131	79	1871	2483	5624	5749	3888	6728	7528	3671
1971 Regional Surplus/Deficit	3166	-522	2806	2414	1527	473	6082	7496	6738	7517	6820	7150	7032	6324
1972 Regional Surplus/Deficit	5444	4029	4245	4255	2348	1792	5609	7678	6511	7360	6226	7161	6294	5830
1973 Regional Surplus/Deficit	5503	5501	4818	3938	2425	2476	1936	1304	2487	749	2634	5261	3914	1308
1974 Regional Surplus/Deficit	2015	-1007	2883	1853	749	3332	7170	7711	7087	7259	7073	6568	6182	5983
1975 Regional Surplus/Deficit	5309	4867	4102	2773	1954	482	1903	4380	6345	4416	3473	7246	6932	6200
1976 Regional Surplus/Deficit	4212	3283	4764	5223	4744	6457	6960	7083	7054	7875	7005	7234	7346	6031
1977 Regional Surplus/Deficit	5506	5713	7844	3917	2078	5.9	-411	1267	1967	724	2009	1098	-796	-96
1978 Regional Surplus/Deficit	1648	-815	2471	1579	453	1903	2044	2579	5787	7248	5278	7195	6224	4877
1979 Regional Surplus/Deficit	3017	423	5932	4160	1968	-520	63	2542	5253	4239	4484	7512	4266	1124
1980 Regional Surplus/Deficit	514	-1106	2488	1732	1501	-103	-903	181	3657	5988	6068	7616	7359	1943
1981 Regional Surplus/Deficit	1237	-906	3222	3173	1896	4815	5987	5650	4298	2550	4115	6685	6573	5601
1982 Regional Surplus/Deficit	4712	4342	3610	3597	2452	1386	2314	7590	6725	7120	5408	6919	6694	5663
1983 Regional Surplus/Deficit	5052	4438	5426	5077	2801	2256	4342	6065	7038	7230	5517	7041	7527	5823
1984 Regional Surplus/Deficit	4852	3700	4359	3839	5028	1686	5855	4672	6857	7993	6926	7007	7307	5808
1985 Regional Surplus/Deficit	4325	1401	4153	3699	2690	1379	1432	1636	4550	6648	6087	7180	5994	-1014
1986 Regional Surplus/Deficit	797	-1128	2349	3090	3082	-364	2483	5982	7235	7311	6817	6452	7206	4026
1987 Regional Surplus/Deficit	3521	-130	2621	1657	2205	400	-208	1031	3424	3350	3857	6624	5256	2867
1988 Regional Surplus/Deficit	559	-1383	2382	1125	889	-999	-1486	59	1114	1598	3517	5559	1637	2562
1989 Regional Surplus/Deficit	2617	-112	2490	1765	697	-375	-930	1387	3311	7654	7033	6964	6030	-448
1990 Regional Surplus/Deficit	1097	-338	2762	1771	2008	2777	2531	6307	5040	5433	7199	6685	6729	3891
1991 Regional Surplus/Deficit	4490	1678	2490	1391	4807	3012	4952	6702	5318	6837	5373	7010	6752	5763
1992 Regional Surplus/Deficit	4902	3397	3032	1851	1547	-535	-76	1980	4745	2309	2687	4686	1239	678

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	214	-1666	2281	1885	1137	-371	-804	223	1405	2845	1633	6594	4208	3087
1994 Regional Surplus/Deficit	2659	170	2235	1333	1623	-73	-434	1392	1821	1471	3803	5662	4799	1435
1995 Regional Surplus/Deficit	990	-815	2437	1645	703	-458	-137	3944	6311	6403	3972	7245	7539	3901
1996 Regional Surplus/Deficit	2627	579	3248	4095	5683	6288	7173	7668	6854	7692	7369	7233	7127	6072
1997 Regional Surplus/Deficit	5066	3009	3676	3659	2175	2885	7067	7495	6917	7298	6973	6786	6511	6046
1998 Regional Surplus/Deficit	5036	4040	5623	7068	4077	1329	3583	3509	4544	4768	5115	7403	7141	4622

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	3555	-653	2720	3284	1549	-451	-1018	-90	668	1726	2039	1612	3029	76
1930 Regional Surplus/Deficit	2120	-266	2950	2111	935	-707	-1090	-607	655	1325	1196	936	304	2066
1931 Regional Surplus/Deficit	2412	-384	2532	1422	1419	-941	-1595	-805	-2257	1182	-750	3548	-1088	1294
1932 Regional Surplus/Deficit	573	-2015	1766	1558	264	-818	-2291	-1566	2321	4506	6675	6153	5974	2033
1933 Regional Surplus/Deficit	2317	110	3270	2812	593	1738	2975	3938	4778	5498	3793	5129	5752	5237
1934 Regional Surplus/Deficit	4603	3558	3673	4161	5038	6002	6418	6748	6349	6928	6509	5244	4461	2176
1935 Regional Surplus/Deficit	338	-943	2447	2479	286	-330	1631	5127	3344	5550	4015	4907	3898	3965
1936 Regional Surplus/Deficit	3989	-261	2188	2579	1057	-753	-2453	-111	1263	2988	6142	6301	6110	1703
1937 Regional Surplus/Deficit	1972	-721	1923	1784	1373	-829	-1096	-856	-281	457	-838	3171	1523	-765
1938 Regional Surplus/Deficit	2167	-358	2877	2756	450	856	3024	2610	5395	6512	6946	5988	5633	3334
1939 Regional Surplus/Deficit	1314	-1237	2977	3073	1051	-714	-1120	-140	2008	5836	5257	6100	2429	1658
1940 Regional Surplus/Deficit	1317	-1079	2380	2180	1193	524	-448	350	4934	6338	5320	5053	3286	956
1941 Regional Surplus/Deficit	496	-1342	2394	2637	1570	-172	-1398	-61	3370	2094	2475	2080	604	718
1942 Regional Surplus/Deficit	1047	-1438	2950	1897	1791	1245	2750	-499	1478	3440	4537	4487	6251	4038
1943 Regional Surplus/Deficit	3638	970	3963	3058	440	140	2318	3080	6028	7578	7160	5931	5741	3529
1944 Regional Surplus/Deficit	2665	486	2653	2341	1507	-489	-779	119	1401	1353	2739	853	-1695	-894
1945 Regional Surplus/Deficit	970	-1585	2217	1941	560	-960	-1694	-1199	264	607	-846	4680	4588	-406
1946 Regional Surplus/Deficit	2461	-832	2673	1490	1101	1017	280	1404	6119	7350	7060	5848	6030	3796
1947 Regional Surplus/Deficit	3342	904	3728	2937	1737	4855	4245	5886	6239	6392	5041	5866	6107	4220
1948 Regional Surplus/Deficit	2959	317	3187	6726	3806	2728	5352	1823	5126	5830	6705	6280	5251	5060
1949 Regional Surplus/Deficit	4638	3801	3977	3761	1469	650	-625	392	6442	6743	6948	6344	6041	326
1950 Regional Surplus/Deficit	596	-1391	2090	1915	1122	-93	3022	5783	6766	7314	6171	5338	5255	4543
1951 Regional Surplus/Deficit	4619	2935	3780	4754	4485	5354	6463	7319	6756	7239	6907	5881	5557	5059
1952 Regional Surplus/Deficit	4444	1261	3819	5812	2875	2773	4693	4639	4369	7659	7288	6232	6430	3683
1953 Regional Surplus/Deficit	3402	-193	2303	2055	800	-731	-1685	4384	4479	4697	4302	5847	6056	4875
1954 Regional Surplus/Deficit	3230	1562	3431	3726	1781	1922	1531	6152	5959	6502	5286	5839	5385	5143
1955 Regional Surplus/Deficit	4959	5392	6449	3749	2988	1875	-876	924	1083	2786	3322	4817	5645	5320
1956 Regional Surplus/Deficit	4651	2812	2764	3975	3573	5112	6444	6493	6016	7076	6559	5901	5633	5408
1957 Regional Surplus/Deficit	3737	1586	3507	4098	1512	2092	1029	-306	5740	7789	5266	6566	5822	2839
1958 Regional Surplus/Deficit	2356	-980	2826	2763	1528	-246	192	3428	5648	6649	6138	6298	6348	2779
1959 Regional Surplus/Deficit	2148	-96	2848	2655	2480	3931	6021	6133	5339	7073	5158	5462	5550	3976
1960 Regional Surplus/Deficit	4668	1886	7020	7734	5209	4158	4210	3852	3782	7203	6374	5526	6123	3722
1961 Regional Surplus/Deficit	3568	-254	2500	3297	1480	602	1112	4898	6131	6339	3793	5795	5313	3172
1962 Regional Surplus/Deficit	1738	10	2715	1391	1421	287	2656	2562	1774	7493	6912	5763	6119	646
1963 Regional Surplus/Deficit	2173	-168	2300	3559	2926	3632	2895	4474	3882	4178	3896	5617	5297	3765
1964 Regional Surplus/Deficit	3313	521	3458	2700	1367	838	874	1543	1528	5772	3965	5532	6161	5453
1965 Regional Surplus/Deficit	4621	1912	4469	4588	2497	5018	6383	6783	6119	6010	7106	5751	6184	3966
1966 Regional Surplus/Deficit	4482	2795	3146	3972	1773	1300	2306	2579	1090	7102	4837	5216	4813	3995
1967 Regional Surplus/Deficit	3710	122	2740	2187	1100	1429	5001	6080	5751	5357	481	5273	5493	4881
1968 Regional Surplus/Deficit	4202	677	3499	3641	2169	1296	2615	5789	5460	4008	2644	4182	6009	4550
1969 Regional Surplus/Deficit	4287	2606	5441	4866	3834	2882	5984	6678	5029	7068	6681	6151	6193	4541
1970 Regional Surplus/Deficit	3289	-431	2664	3355	1807	-251	1216	1677	5005	5532	3446	5302	6545	2902
1971 Regional Surplus/Deficit	2805	-886	2542	2222	1201	140	5421	6903	6119	7317	6413	5987	5651	5607
1972 Regional Surplus/Deficit	4936	3657	3975	4058	2024	1454	4949	6871	6254	7035	5816	5996	5507	5257
1973 Regional Surplus/Deficit	4992	5113	4550	3742	2102	2138	1281	505	1857	523	2179	3753	2401	570
1974 Regional Surplus/Deficit	1675	-1379	2617	1662	415	2997	6542	7008	6753	6951	6761	5307	5416	5409
1975 Regional Surplus/Deficit	4805	4483	3832	2582	1630	150	1248	3564	5727	4194	3026	5894	6077	5593
1976 Regional Surplus/Deficit	3803	2922	4495	5020	4410	6163	6295	6268	6435	7574	6597	5994	6273	5298
1977 Regional Surplus/Deficit	5000	5453	7575	3721	1754	-325	-1061	467	1336	496	1546	-271	-2311	-828
1978 Regional Surplus/Deficit	1305	-1172	2207	1390	122	1565	1388	1771	5168	7048	4854	5836	4735	4091
1979 Regional Surplus/Deficit	2654	74	5674	3960	1644	-844	-588	1734	4633	4017	4053	6158	2754	386
1980 Regional Surplus/Deficit	166	-1478	2223	1541	1177	-433	-1548	-610	3032	5775	5656	6458	6181	1195
1981 Regional Surplus/Deficit	896	-1275	2952	2978	1572	4488	5325	4830	3676	2325	3681	5279	5717	4814
1982 Regional Surplus/Deficit	4212	3960	3341	3401	2130	1048	1657	6969	6411	6914	4994	5598	5535	4875
1983 Regional Surplus/Deficit	4551	4058	5164	4874	2479	1919	3683	5245	6708	7025	5104	5694	6311	5035
1984 Regional Surplus/Deficit	4362	3331	4089	3643	4694	1348	5194	3855	6239	7697	6514	5629	6398	5021
1985 Regional Surplus/Deficit	3904	1053	3884	3504	2368	1041	777	833	3929	6438	5680	5846	4500	-1727
1986 Regional Surplus/Deficit	448	-1508	2088	2896	2760	-694	1827	5162	6910	7111	6410	5006	5843	3247
1987 Regional Surplus/Deficit	3143	-484	2358	1466	1882	67	-856	234	2798	3127	3417	5187	3759	2104
1988 Regional Surplus/Deficit	210	-1761	2120	934	565	-1322	-2132	-616	464	1359	3079	4055	226	1780
1989 Regional Surplus/Deficit	2264	-465	2224	1551	361	-709	-1597	579	2600	7455	6673	5572	4538	-1161
1990 Regional Surplus/Deficit	755	-696	2496	1580	1685	2442	1874	5488	4420	5215	6926	5281	5885	3116
1991 Regional Surplus/Deficit	4025	1327	2229	1201	4474	2678	4292	5884	4699	6629	4959	5645	5631	5003
1992 Regional Surplus/Deficit	4414	3030	2767	1660	1222	-859	-727	1176	4125	2085	2235	3165	-293	-61

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	-135	-2045	2017	1693	811	-700	-1452	-573	772	2621	1167	5190	2698	2325
1994 Regional Surplus/Deficit	2296	-179	1977	1142	1300	-406	-1082	590	1189	1245	3361	4147	3296	692
1995 Regional Surplus/Deficit	649	-1180	2174	1454	373	-783	-786	3129	5693	6192	3534	5868	6342	3127
1996 Regional Surplus/Deficit	2278	230	2979	3895	5353	6093	6512	7121	6536	7381	7124	6049	6188	5295
1997 Regional Surplus/Deficit	4577	2649	3407	3464	1851	2549	6395	6767	6603	6984	6733	5507	5668	5413
1998 Regional Surplus/Deficit	4563	3669	5361	6860	3743	991	2925	2696	3922	4548	4695	6197	6225	3839

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	2949	-1287	2113	2733	1034	-1152	-1343	-231	438	1212	1806	1129	3866	-282
1930 Regional Surplus/Deficit	1460	-905	2341	1559	420	-1409	-1415	-753	424	811	966	439	1165	1740
1931 Regional Surplus/Deficit	1761	-1025	1924	868	902	-1643	-1922	-949	-2484	668	-971	3092	-221	965
1932 Regional Surplus/Deficit	-82	-2633	1164	1005	-247	-1519	-2623	-1710	2084	3988	6390	5589	7191	1702
1933 Regional Surplus/Deficit	1663	-536	2658	2260	84	1045	2659	3819	4532	4975	3534	4594	7038	5021
1934 Regional Surplus/Deficit	4087	2910	3063	3615	4518	5167	6240	6618	6103	6534	6125	4630	5271	1853
1935 Regional Surplus/Deficit	-295	-1575	1840	1928	-223	-1030	1312	5009	3103	5026	3755	4392	4728	3663
1936 Regional Surplus/Deficit	3437	-901	1586	2026	542	-1455	-2792	-253	1028	2473	5855	5658	6903	1370
1937 Regional Surplus/Deficit	1312	-1355	1321	1231	856	-1530	-1420	-1001	-510	-54	-1060	2725	2376	-1134
1938 Regional Surplus/Deficit	1508	-996	2268	2205	-58	163	2707	2486	5148	5982	6615	5356	6439	3022
1939 Regional Surplus/Deficit	656	-1859	2367	2522	537	-1420	-1446	-283	1773	5311	4976	5496	3272	1325
1940 Regional Surplus/Deficit	657	-1706	1775	1629	676	-169	-772	210	4689	5809	5038	4547	4119	612
1941 Regional Surplus/Deficit	-148	-1969	1787	2086	1053	-870	-1727	-204	3129	1579	2236	1632	1455	385
1942 Regional Surplus/Deficit	387	-2077	2339	1343	1274	552	2433	-644	1243	2924	4265	3984	7294	3735
1943 Regional Surplus/Deficit	3050	320	3351	2507	-65	-558	2000	2956	5781	7174	6674	5290	7006	3219
1944 Regional Surplus/Deficit	2015	-159	2050	1788	992	-1192	-1104	-21	1167	839	2498	364	-818	-1250
1945 Regional Surplus/Deficit	309	-2215	1609	1388	48	-1665	-2023	-1344	34	96	-1068	4158	5401	-770
1946 Regional Surplus/Deficit	1806	-1464	2066	936	588	324	-42	1272	5873	6812	6782	5228	6827	3489
1947 Regional Surplus/Deficit	2718	255	3118	2385	1222	4149	3929	5767	5993	5865	4766	5261	6922	3919
1948 Regional Surplus/Deficit	2325	-327	2578	6191	3288	2033	5039	1692	4880	5305	6419	5721	6526	4758
1949 Regional Surplus/Deficit	4133	3153	3366	3212	954	-44	-949	253	6196	6213	6607	5695	7014	-30
1950 Regional Surplus/Deficit	-38	-2008	1490	1361	608	-791	2705	5664	6572	6930	5860	4744	6587	4242
1951 Regional Surplus/Deficit	4098	2283	3170	4210	3967	4646	6155	7261	6486	6860	6576	5257	6363	4757
1952 Regional Surplus/Deficit	3915	611	3209	5274	2357	2078	4378	4521	4125	7119	6920	5614	7408	3375
1953 Regional Surplus/Deficit	2775	-829	1703	1502	287	-1433	-2016	4265	4235	4178	4038	5246	7272	4575
1954 Regional Surplus/Deficit	2611	911	2823	3177	1264	1229	1212	6031	5712	5976	5011	5217	6701	4940
1955 Regional Surplus/Deficit	4473	4755	5841	3201	2470	1181	-1202	790	850	2271	3069	4316	6954	5099
1956 Regional Surplus/Deficit	4133	2160	2160	3427	3054	4405	6137	6363	5770	6540	6032	5266	6975	5103
1957 Regional Surplus/Deficit	3133	935	2899	3551	998	1399	709	-452	5494	7385	4987	5949	7052	2522
1958 Regional Surplus/Deficit	1697	-1605	2219	2211	1012	-948	-131	3305	5402	6120	5852	5778	7380	2460
1959 Regional Surplus/Deficit	1487	-735	2240	2104	1962	3230	5711	6011	5093	6540	4883	4889	6824	3673
1960 Regional Surplus/Deficit	4161	1234	6414	7191	4688	3455	3895	3731	3541	6820	6087	4972	6915	3416
1961 Regional Surplus/Deficit	2961	-891	1895	2747	965	-92	792	4780	5884	5811	3534	5160	6570	2862
1962 Regional Surplus/Deficit	1076	-635	2110	837	906	-408	2340	2437	1539	7095	6600	5150	7013	296
1963 Regional Surplus/Deficit	1515	-816	1696	3014	2408	2933	2578	4355	3639	3660	3640	5087	6108	3461
1964 Regional Surplus/Deficit	2707	-125	2848	2147	853	145	554	1412	1294	5250	3707	4942	6990	5140
1965 Regional Surplus/Deficit	4112	1260	3856	4045	1979	4310	6077	6701	5873	5486	6828	5110	6973	3661
1966 Regional Surplus/Deficit	3970	2143	2539	3425	1257	608	1989	2454	859	6717	4568	4684	5631	3693
1967 Regional Surplus/Deficit	3129	-520	2135	1634	587	736	4687	5957	5504	4836	254	4713	6787	4581
1968 Regional Surplus/Deficit	3653	29	2889	3092	1652	603	2297	5670	5213	3491	2401	3724	6801	4250
1969 Regional Surplus/Deficit	3745	1954	4829	4325	3316	2187	5674	6544	4783	6673	6367	5510	7004	4241
1970 Regional Surplus/Deficit	2663	-1068	2057	2805	1291	-951	896	1545	4759	5010	3194	4760	7472	2583
1971 Regional Surplus/Deficit	2159	-1517	1937	1669	687	-558	5108	6872	5873	6778	6126	5358	6976	5297
1972 Regional Surplus/Deficit	4447	3008	3364	3511	1508	761	4635	6740	6073	6654	5532	5363	6784	5020
1973 Regional Surplus/Deficit	4506	4474	3937	3193	1585	1445	961	366	1622	9.6	1940	3293	3244	220
1974 Regional Surplus/Deficit	1013	-2003	2011	1108	-91	2301	6323	6971	6535	6569	6349	4676	6716	5189
1975 Regional Surplus/Deficit	4312	3839	3221	2028	1114	-549	928	3442	5480	3677	2780	5278	7282	5317
1976 Regional Surplus/Deficit	3206	2270	3883	4478	3892	5426	5985	6146	6189	7164	6312	5348	7100	4990
1977 Regional Surplus/Deficit	4508	4809	6971	3172	1238	-1025	-1386	329	1102	-15	1316	-870	-1467	-1184
1978 Regional Surplus/Deficit	644	-1808	1602	834	-387	872	1069	1641	4922	6509	4584	5227	5553	3788
1979 Regional Surplus/Deficit	2010	-572	5063	3415	1128	-1551	-911	1604	4388	3499	3791	5544	3595	35
1980 Regional Surplus/Deficit	-474	-2102	1618	988	661	-1133	-1878	-757	2792	5249	5374	5933	7138	855
1981 Regional Surplus/Deficit	242	-1902	2342	2428	1056	3784	5013	4713	3433	1810	3422	4717	6922	4513
1982 Regional Surplus/Deficit	3715	3316	2732	2852	1612	355	1339	6905	6222	6381	4715	4955	6826	4575
1983 Regional Surplus/Deficit	4055	3413	4552	4332	1961	1226	3367	5127	6518	6491	4823	5072	7225	4734
1984 Regional Surplus/Deficit	3854	2681	3478	3094	4176	655	4881	3734	5992	7281	6233	5039	7544	4720
1985 Regional Surplus/Deficit	3319	404	3273	2954	1850	348	457	698	3685	5909	5394	5212	5323	-2103
1986 Regional Surplus/Deficit	-185	-2126	1486	2345	2242	-1395	1508	5045	6721	6571	6124	4484	6635	2938
1987 Regional Surplus/Deficit	2513	-1124	1754	912	1365	-631	-1183	93	2559	2611	3163	4656	4585	1778
1988 Regional Surplus/Deficit	-430	-2381	1516	380	50	-2029	-2461	-711	240	851	2838	3613	1169	1436
1989 Regional Surplus/Deficit	1587	-1131	1591	996	-147	-1415	-1936	435	2309	6902	6299	4996	5359	-1536
1990 Regional Surplus/Deficit	103	-1332	1889	1027	1168	1747	1556	5369	4175	4694	6461	4716	7096	2802
1991 Regional Surplus/Deficit	3489	676	1627	646	3955	1982	3977	5764	4453	6098	4679	5041	6431	4697
1992 Regional Surplus/Deficit	3903	2380	2161	1106	707	-1566	-1051	1043	3881	1570	1994	2718	568	-410

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	-769	-2663	1413	1140	297	-1401	-1778	-715	540	2106	939	4626	3537	1999
1994 Regional Surplus/Deficit	1651	-826	1377	588	783	-1103	-1408	454	956	731	3110	3694	4128	346
1995 Regional Surplus/Deficit	-3.9	-1810	1570	900	-137	-1489	-1112	3006	5447	5664	3278	5277	7293	2813
1996 Regional Surplus/Deficit	1621	-416	2368	3350	4831	5257	6208	7005	6347	6983	6626	5396	7197	4984
1997 Regional Surplus/Deficit	4068	1997	2798	2914	1335	1854	6092	6657	6414	6590	6229	4873	6697	5180
1998 Regional Surplus/Deficit	4036	3019	4749	6323	3225	298	2608	2571	3679	4029	4421	5536	7363	3534

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	2612	-1595	1848	2423	686	-1544	-1686	-629	120	1403	2394	409	2123	-613
1930 Regional Surplus/Deficit	1176	-1208	2079	1252	68	-1802	-1758	-1149	107	1001	1553	-272	-596	1378
1931 Regional Surplus/Deficit	1469	-1326	1661	564	568	-2035	-2265	-1346	-2829	859	-377	2377	-1987	606
1932 Regional Surplus/Deficit	-371	-2957	894	700	-615	-1911	-2969	-2109	1773	4175	7042	4961	5075	1344
1933 Regional Surplus/Deficit	1374	-832	2398	1952	-290	670	2334	3413	4227	5162	4148	3964	4852	4549
1934 Regional Surplus/Deficit	3660	2617	2801	3297	4159	4804	5773	6216	5793	6588	6875	4069	3558	1488
1935 Regional Surplus/Deficit	-605	-1885	1576	1618	-619	-1420	982	4603	2795	5214	4371	3742	2992	3277
1936 Regional Surplus/Deficit	3045	-1203	1317	1720	187	-1847	-3134	-650	714	2661	6509	5117	5211	1015
1937 Regional Surplus/Deficit	1028	-1662	1052	926	523	-1920	-1762	-1398	-829	132	-465	1989	620	-1453
1938 Regional Surplus/Deficit	1223	-1300	2006	1896	-434	-219	2382	2082	4842	6173	7312	4808	4732	2645
1939 Regional Surplus/Deficit	370	-2179	2106	2212	177	-1816	-1790	-680	1459	5499	5619	4927	1523	970
1940 Regional Surplus/Deficit	373	-2021	1509	1319	345	-549	-1113	-188	4383	5999	5684	3889	2380	268
1941 Regional Surplus/Deficit	-448	-2283	1523	1776	721	-1258	-2072	-601	2821	1768	2828	895	-300	30
1942 Regional Surplus/Deficit	103	-2380	2079	1039	945	174	2108	-1040	929	3111	4896	3322	5354	3350
1943 Regional Surplus/Deficit	2694	29	3091	2198	-444	-946	1672	2552	5473	7238	7526	4748	4840	2841
1944 Regional Surplus/Deficit	1721	-456	1782	1482	641	-1585	-1447	-419	853	1030	3093	-353	-2590	-1583
1945 Regional Surplus/Deficit	27	-2527	1345	1083	-318	-2060	-2368	-1742	-283	282	-473	3515	3684	-1094
1946 Regional Surplus/Deficit	1517	-1774	1802	633	227	-57	-381	871	5563	7010	7424	4671	5131	3108
1947 Regional Surplus/Deficit	2398	-38	2857	2078	876	3785	3607	5361	5684	6054	5402	4692	5209	3532
1948 Regional Surplus/Deficit	2016	-625	2316	5862	2997	1663	4715	1290	4574	5493	7072	5089	4350	4371
1949 Regional Surplus/Deficit	3695	2859	3106	2899	601	-427	-1290	-145	5885	6404	7314	5157	5141	-363
1950 Regional Surplus/Deficit	-348	-2333	1219	1056	251	-1179	2380	5258	6208	6973	6537	4167	4353	3855
1951 Regional Surplus/Deficit	3675	1993	2909	3890	3668	4283	5820	6783	6198	6900	7274	4703	4655	4371
1952 Regional Surplus/Deficit	3500	320	2948	4947	2050	1707	4056	4115	3819	7319	7653	5043	5532	2995
1953 Regional Surplus/Deficit	2458	-1134	1431	1196	-76	-1826	-2362	3859	3929	4365	4659	4675	5157	4187
1954 Regional Surplus/Deficit	2286	620	2560	2864	924	854	878	5626	5404	6164	5647	4661	4484	4455
1955 Regional Surplus/Deficit	4015	4450	5578	2887	2171	807	-1546	390	535	2461	3677	3652	4744	4632
1956 Regional Surplus/Deficit	3707	1870	1893	3113	2764	4042	5799	5960	5462	6736	6926	4720	4731	4719
1957 Regional Surplus/Deficit	2793	644	2636	3236	643	1025	375	-848	5188	7448	5628	5366	4923	2150
1958 Regional Surplus/Deficit	1412	-1922	1955	1903	667	-1340	-471	2900	5095	6310	6503	5104	5451	2090
1959 Regional Surplus/Deficit	1204	-1037	1977	1795	1648	2864	5381	5606	4787	6733	5518	4293	4649	3288
1960 Regional Surplus/Deficit	3724	944	6148	6873	4318	3090	3573	3326	3232	6863	6741	4359	5224	3034
1961 Regional Surplus/Deficit	2624	-1195	1629	2435	615	-473	459	4374	5576	6001	4149	4614	4413	2484
1962 Regional Surplus/Deficit	795	-931	1844	534	557	-793	2014	2033	1226	7153	7277	4588	5221	-42
1963 Regional Surplus/Deficit	1230	-1110	1428	2696	2108	2566	2253	3949	3332	3848	4250	4452	4394	3077
1964 Regional Surplus/Deficit	2369	-421	2587	1842	497	-236	218	1010	979	5437	4320	4361	5262	4764
1965 Regional Surplus/Deficit	3678	971	3598	3724	1665	3947	5737	6258	5564	5674	7471	4567	5285	3278
1966 Regional Surplus/Deficit	3538	1853	2274	3109	919	230	1660	2050	542	6762	5195	4051	3909	3307
1967 Regional Surplus/Deficit	2766	-820	1869	1328	225	359	4365	5552	5197	5023	843	4106	4592	4193
1968 Regional Surplus/Deficit	3258	-265	2627	2780	1324	225	1970	5264	4908	3678	2997	3012	5111	3862
1969 Regional Surplus/Deficit	3343	1664	4569	4002	3026	1817	5343	6142	4477	6728	7047	4968	5294	3853
1970 Regional Surplus/Deficit	2345	-1372	1792	2493	952	-1342	561	1144	4454	5197	3800	4137	5649	2213
1971 Regional Surplus/Deficit	1862	-1828	1670	1363	330	-946	4784	6368	5565	6977	6780	4803	4749	4918
1972 Regional Surplus/Deficit	3992	2715	3104	3196	1164	383	4313	6338	5700	6695	6180	4812	4606	4568
1973 Regional Surplus/Deficit	4048	4171	3678	2881	1250	1071	626	-33	1309	200	2532	2584	1495	-119
1974 Regional Surplus/Deficit	731	-2321	1746	803	-468	1932	5897	6473	6194	6612	7127	4127	4515	4720
1975 Regional Surplus/Deficit	3862	3541	2961	1724	766	-937	594	3037	5174	3864	3379	4718	5178	4903
1976 Regional Surplus/Deficit	2859	1980	3624	4156	3593	5063	5655	5741	5878	7233	6963	4808	5374	4609
1977 Regional Surplus/Deficit	4057	4512	6704	2859	895	-1415	-1728	-70	788	171	1903	-1497	-3196	-1516
1978 Regional Surplus/Deficit	361	-2114	1336	534	-783	496	737	1239	4617	6708	5212	4662	3831	3403
1979 Regional Surplus/Deficit	1710	-868	4803	3097	787	-1947	-1252	1202	4082	3687	4409	4982	1848	-302
1980 Regional Surplus/Deficit	-778	-2419	1352	682	317	-1524	-2224	-1152	2483	5438	6019	5265	5284	507
1981 Regional Surplus/Deficit	-48	-2217	2081	2117	713	3420	4688	4306	3126	2000	4036	4112	4818	4126
1982 Regional Surplus/Deficit	3268	3018	2470	2540	1291	-24	1007	6433	5855	6574	5357	4413	4634	4186
1983 Regional Surplus/Deficit	3608	3116	4293	4009	1643	851	3044	4721	6149	6685	5466	4517	5414	4347
1984 Regional Surplus/Deficit	3418	2389	3218	2781	3865	277	4558	3329	5684	7356	6880	4458	5500	4333
1985 Regional Surplus/Deficit	2960	111	3012	2643	1526	-31	122	298	3379	6099	6045	4665	3595	-2415
1986 Regional Surplus/Deficit	-495	-2450	1217	2035	1944	-1786	1178	4638	6353	6771	6777	3841	4944	2559
1987 Regional Surplus/Deficit	2199	-1426	1486	609	1033	-1018	-1526	-305	2249	2799	3772	4022	2854	1416
1988 Regional Surplus/Deficit	-733	-2703	1248	77	-298	-2426	-2806	-1157	-84	1036	3432	2882	-673	1092
1989 Regional Surplus/Deficit	1281	-1450	1315	693	-522	-1804	-2272	42	2051	7114	7038	4403	3633	-1849
1990 Regional Surplus/Deficit	-189	-1638	1624	722	844	1376	1227	4963	3869	4881	7291	4113	4986	2428
1991 Regional Surplus/Deficit	3081	386	1358	345	3633	1612	3656	5358	4148	6289	5322	4472	4731	4314
1992 Regional Surplus/Deficit	3471	2088	1895	803	355	-1962	-1392	642	3574	1760	2588	1990	-1194	-750

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	-1079	-2986	1146	833	-59	-1793	-2122	-1112	224	2295	1527	4023	1792	1636
1994 Regional Surplus/Deficit	1352	-1120	1105	285	454	-1490	-1752	54	641	922	3715	2976	2390	3.8
1995 Regional Surplus/Deficit	-295	-2121	1303	596	-508	-1883	-1455	2602	5141	5854	3889	4697	5445	2439
1996 Regional Surplus/Deficit	1335	-712	2107	3032	4438	4894	5863	6587	5979	7041	7490	4860	5291	4606
1997 Regional Surplus/Deficit	3634	1707	2536	2603	997	1483	5747	6243	6046	6644	7099	4326	4769	4724
1998 Regional Surplus/Deficit	3619	2727	4489	5997	2935	-82	2282	2167	3372	4216	5055	5002	5327	3151

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1929 Regional Surplus/Deficit	2315	-1955	1530	2108	346	-1894	-2082	-888	-220	1533	1651	544	2933	-981
1930 Regional Surplus/Deficit	802	-1566	1755	934	-267	-2151	-2154	-1410	-234	1131	811	-147	231	1041
1931 Regional Surplus/Deficit	1105	-1684	1339	244	214	-2385	-2661	-1606	-3141	989	-1126	2507	-1155	266
1932 Regional Surplus/Deficit	-723	-3327	584	381	-934	-2261	-3362	-2367	1427	4309	6235	5004	6258	1003
1933 Regional Surplus/Deficit	1006	-1188	2068	1635	-603	303	1920	3162	3874	5295	3380	4008	6104	4322
1934 Regional Surplus/Deficit	3503	2246	2474	2990	3830	4426	5501	5961	5445	6855	5970	4044	4338	1154
1935 Regional Surplus/Deficit	-926	-2246	1256	1303	-911	-1771	573	4352	2445	5347	3600	3807	3794	2964
1936 Regional Surplus/Deficit	2835	-1561	1006	1402	-145	-2196	-3531	-910	371	2793	5700	5072	5969	671
1937 Regional Surplus/Deficit	655	-2022	742	607	168	-2271	-2159	-1658	-1167	266	-1215	2140	1443	-1833
1938 Regional Surplus/Deficit	850	-1659	1682	1580	-745	-579	1968	1829	4490	6303	6460	4770	5505	2323
1939 Regional Surplus/Deficit	11	-2544	1778	1898	-150	-2162	-2185	-940	1115	5632	4822	4911	2338	626
1940 Regional Surplus/Deficit	9.7	-2384	1193	1005	-11	-910	-1511	-447	4031	6129	4883	3962	3186	-87
1941 Regional Surplus/Deficit	-775	-2646	1202	1462	365	-1612	-2466	-861	2471	1899	2081	1047	521	-314
1942 Regional Surplus/Deficit	-271	-2739	1750	719	586	-189	1694	-1301	586	3244	4110	3398	6361	3036
1943 Regional Surplus/Deficit	2427	-329	2759	1883	-753	-1299	1261	2299	5123	7495	6519	4705	6072	2520
1944 Regional Surplus/Deficit	1359	-813	1469	1164	304	-1933	-1843	-679	510	1160	2343	-221	-1752	-1949
1945 Regional Surplus/Deficit	-348	-2888	1023	763	-640	-2407	-2762	-2001	-624	416	-1223	3573	4468	-1469
1946 Regional Surplus/Deficit	1149	-2135	1482	311	-100	-418	-781	615	5215	7132	6627	4642	5893	2790
1947 Regional Surplus/Deficit	2075	-395	2530	1760	534	3408	3190	5110	5336	6185	4611	4675	5989	3220
1948 Regional Surplus/Deficit	1676	-982	1992	5566	2600	1292	4300	1035	4222	5626	6264	5135	5593	4059
1949 Regional Surplus/Deficit	3554	2486	2776	2587	266	-786	-1688	-404	5538	6533	6452	5110	6081	-729
1950 Regional Surplus/Deficit	-669	-2703	909	737	-79	-1532	1966	5007	5915	7250	5705	4159	5654	3543
1951 Regional Surplus/Deficit	3512	1627	2581	3585	3279	3904	5416	6604	5828	7181	6421	4672	5430	4058
1952 Regional Surplus/Deficit	3325	-38	2621	4650	1669	1336	3639	3864	3468	7440	6765	5028	6475	2676
1953 Regional Surplus/Deficit	2129	-1493	1122	878	-400	-2175	-2755	3608	3577	4499	3883	4660	6339	3877
1954 Regional Surplus/Deficit	1971	262	2237	2553	577	488	473	5374	5055	6296	4857	4632	5768	4241
1955 Regional Surplus/Deficit	3892	3857	5247	2576	1783	440	-1941	133	192	2592	2914	3731	6021	4400
1956 Regional Surplus/Deficit	3548	1506	1578	2803	2367	3664	5398	5706	5112	6860	5877	4681	6042	4404
1957 Regional Surplus/Deficit	2501	286	2312	2926	310	658	-30	-1109	4836	7706	4832	5364	6119	1823
1958 Regional Surplus/Deficit	1039	-2286	1634	1586	324	-1689	-870	2648	4744	6441	5697	5192	6446	1761
1959 Regional Surplus/Deficit	830	-1396	1655	1479	1274	2489	4972	5354	4435	6861	4728	4303	5890	2974
1960 Regional Surplus/Deficit	3581	584	5823	6566	4000	2714	3156	3074	2883	7141	5932	4386	5981	2717
1961 Regional Surplus/Deficit	2327	-1554	1312	2122	278	-833	53	4123	5227	6132	3379	4575	5636	2163
1962 Regional Surplus/Deficit	422	-1288	1528	212	218	-1150	1601	1780	882	7416	6445	4565	6080	-403
1963 Regional Surplus/Deficit	857	-1467	1114	2389	1721	2192	1839	3698	2982	3981	3485	4502	5175	2762
1964 Regional Surplus/Deficit	2074	-777	2260	1523	165	-597	-185	755	636	5570	3552	4357	6057	4442
1965 Regional Surplus/Deficit	3531	611	3264	3421	1292	3569	5338	6044	5215	5806	6673	4525	6039	2962
1966 Regional Surplus/Deficit	3388	1488	1955	2801	569	-134	1249	1797	201	7037	4413	4098	4698	2994
1967 Regional Surplus/Deficit	2510	-1177	1554	1009	-101	-5.1	3948	5300	4847	5157	99	4127	5854	3882
1968 Regional Surplus/Deficit	3052	-622	2300	2468	964	-138	1558	5013	4556	3811	2246	3138	5868	3551
1969 Regional Surplus/Deficit	3149	1301	4233	3700	2629	1445	4935	5887	4125	6993	6212	4925	6071	3542
1970 Regional Surplus/Deficit	2019	-1731	1472	2181	603	-1693	157	888	4102	5331	3039	4174	6539	1884
1971 Regional Surplus/Deficit	1505	-2189	1356	1045	-0.8	-1299	4369	6215	5215	7099	5971	4773	6043	4598
1972 Regional Surplus/Deficit	3870	2345	2774	2886	820	20	3896	6083	5415	6975	5377	4778	5850	4321
1973 Regional Surplus/Deficit	3927	3786	3346	2569	897	704	222	-291	964	330	1785	2708	2310	-479
1974 Regional Surplus/Deficit	359	-2686	1428	484	-778	1560	5584	6313	5877	6890	6194	4091	5783	4491
1975 Regional Surplus/Deficit	3736	3161	2632	1403	427	-1290	189	2785	4823	3997	2625	4693	6349	4619
1976 Regional Surplus/Deficit	2578	1615	3291	3854	3204	4685	5246	5489	5531	7485	6157	4763	6167	4291
1977 Regional Surplus/Deficit	3912	3849	6383	2548	551	-1766	-2125	-328	445	305	1161	-1455	-2401	-1883
1978 Regional Surplus/Deficit	-13	-2473	1020	209	-1074	131	330	984	4264	6830	4429	4641	4620	3089
1979 Regional Surplus/Deficit	1356	-1225	4468	2790	440	-2292	-1650	947	3731	3820	3636	4958	2662	-663
1980 Regional Surplus/Deficit	-1095	-2784	1036	363	-27	-1875	-2617	-1414	2135	5569	5219	5348	6205	156
1981 Regional Surplus/Deficit	-397	-2580	1753	1803	368	3043	4274	4056	2776	2131	3267	4132	5989	3814
1982 Regional Surplus/Deficit	3139	2640	2145	2227	924	-386	600	6248	5565	6701	4560	4369	5893	3876
1983 Regional Surplus/Deficit	3478	2739	3957	3708	1274	484	2628	4470	5861	6812	4668	4487	6292	4035
1984 Regional Surplus/Deficit	3273	2020	2888	2470	3488	-86	4141	3077	5335	7602	6078	4453	6611	4021
1985 Regional Surplus/Deficit	2698	-246	2683	2330	1163	-393	-282	41	3028	6229	5239	4627	4390	-2802
1986 Regional Surplus/Deficit	-816	-2820	907	1720	1555	-2136	769	4388	6063	6892	5969	3899	5702	2239
1987 Regional Surplus/Deficit	1867	-1785	1173	288	677	-1372	-1922	-564	1902	2932	3008	4071	3651	1079
1988 Regional Surplus/Deficit	-1051	-3070	935	-245	-638	-2771	-3200	-1368	-418	1172	2683	3028	235	737
1989 Regional Surplus/Deficit	930	-1790	1009	372	-834	-2156	-2675	-222	1651	7223	6144	4411	4426	-2235
1990 Regional Surplus/Deficit	-534	-1997	1306	402	480	1005	817	4712	3517	5015	6307	4131	6163	2103
1991 Regional Surplus/Deficit	2895	27	1047	22	3268	1240	3238	5107	3795	6418	4524	4456	5497	3998
1992 Regional Surplus/Deficit	3322	1720	1578	481	19	-2307	-1790	386	3223	1891	1839	2132	-365	-1109

Capacity 120 (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1993 Regional Surplus/Deficit	-1399	-3353	832	516	-391	-2143	-2517	-1372	-117	2426	784	4041	2604	1300
1994 Regional Surplus/Deficit	997	-1477	796	-37	95	-1845	-2147	-203	299	1052	2955	3108	3194	-353
1995 Regional Surplus/Deficit	-640	-2483	989	276	-825	-2230	-1851	2349	4789	5984	3123	4692	6360	2114
1996 Regional Surplus/Deficit	964	-1069	1779	2725	4144	4516	5469	6348	5689	7303	6471	4811	6264	4285
1997 Regional Surplus/Deficit	3487	1343	2211	2290	647	1113	5353	6000	5756	6911	6074	4288	5763	4481
1998 Regional Surplus/Deficit	3447	2356	4153	5699	2537	-443	1869	1914	3022	4349	4267	4950	6429	2835

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Section 13
Monthly A-Tables
OY 2011 – 2020
1-Hour Capacity in Megawatts [1]

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Total Retail Loads	A-1
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[1] Note: Tables A-11 through A-14 are obsolete and no longer available

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Table A-1
Total Retail Loads
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	177	177	167	178	199	215	222	208	187	184	184	169	169	176
2 Total Federal Entities	177	177	167	178	199	215	222	208	187	184	184	169	169	176
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
6 Total Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
-Generating Public Entities-														
7 Generating Public Entities	6115	6115	5925	6863	7816	8292	8401	8134	7228	6934	6934	6265	6055	6286
8 Total Generating Public Entities	6115	6115	5925	6863	7816	8292	8401	8134	7228	6934	6934	6265	6055	6286
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5175	5175	4920	5200	5709	6429	6399	6118	5564	5326	5326	5163	5170	5419
10 Total Non-Generating Public Entities	5175	5175	4920	5200	5709	6429	6399	6118	5564	5326	5326	5163	5170	5419
-Investor-Owned Entities-														
11 Investor-Owned Entities	14901	14901	13542	13755	15778	16931	16986	16164	14801	13370	13370	13516	14715	15608
12 Total Investor-Owned Entities	14901	14901	13542	13755	15778	16931	16986	16164	14801	13370	13370	13516	14715	15608
-Other Firm Loads-														
13 Other PNW Entities	356	356	337	337	342	352	360	347	342	299	299	331	334	334
14 Total Other Firm Loads	356	356	337	337	342	352	360	347	342	299	299	331	334	334
-Total Regional Firm Loads-														
15 Federal Entities	811	811	758	647	474	465	263	279	624	646	646	743	764	804
16 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
17 Public Entities	11290	11290	10846	12063	13525	14721	14800	14252	12793	12261	12261	11428	11225	11705
18 Investor-Owned Entities	14901	14901	13542	13755	15778	16931	16986	16164	14801	13370	13370	13516	14715	15608
19 Other Entities	356	356	337	337	342	352	360	347	342	299	299	331	334	334
20 Total Regional Firm Loads	27754	27754	25879	27199	30516	32866	32806	31439	28956	26972	26972	26414	27435	28847
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	811	811	758	647	474	465	263	279	624	646	646	743	764	804
30 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
31 Public Entities	11290	11290	10846	12063	13525	14721	14800	14252	12793	12261	12261	11428	11225	11705
32 Investor-Owned Entities	14901	14901	13556	13755	15778	16931	16990	16187	14855	13403	13403	13516	14715	15608
33 Other Entities	356	356	337	337	342	352	360	347	342	299	299	331	334	334
34 Total Regional Loads	27754	27754	25893	27199	30516	32866	32809	31462	29010	27006	27006	26414	27435	28847

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	179	179	169	181	203	218	225	201	190	186	186	171	171	178
2 Total Federal Entities	179	179	169	181	203	218	225	201	190	186	186	171	171	178
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
6 Total Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
-Generating Public Entities-														
7 Generating Public Entities	6225	6225	6026	6950	7904	8371	8485	8205	7347	7015	7015	6352	6122	6332
8 Total Generating Public Entities	6225	6225	6026	6950	7904	8371	8485	8205	7347	7015	7015	6352	6122	6332
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5249	5249	5003	5271	5798	6522	6488	6156	5644	5412	5412	5254	5263	5516
10 Total Non-Generating Public Entities	5249	5249	5003	5271	5798	6522	6488	6156	5644	5412	5412	5254	5263	5516
-Investor-Owned Entities-														
11 Investor-Owned Entities	15099	15099	13706	13904	15944	17113	17329	16585	15096	13687	13687	13805	14988	15969
12 Total Investor-Owned Entities	15099	15099	13706	13904	15944	17113	17329	16585	15096	13687	13687	13805	14988	15969
-Other Firm Loads-														
13 Other PNW Entities	354	354	335	335	340	350	359	346	340	328	328	329	346	444
14 Total Other Firm Loads	354	354	335	335	340	350	359	346	340	328	328	329	346	444
-Total Regional Firm Loads-														
15 Federal Entities	813	813	760	650	477	468	266	272	627	648	648	745	766	807
16 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
17 Public Entities	11474	11474	11029	12221	13702	14892	14972	14361	12991	12428	12428	11607	11385	11848
18 Investor-Owned Entities	15099	15099	13706	13904	15944	17113	17329	16585	15096	13687	13687	13805	14988	15969
19 Other Entities	354	354	335	335	340	350	359	346	340	328	328	329	346	444
20 Total Regional Firm Loads	28137	28137	26226	27506	30859	33221	33322	31960	29451	27488	27488	26882	27881	29464
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	813	813	760	650	477	468	266	272	627	648	648	745	766	807
30 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
31 Public Entities	11474	11474	11029	12221	13702	14892	14972	14361	12991	12428	12428	11607	11385	11848
32 Investor-Owned Entities	15099	15099	13720	13904	15944	17113	17332	16608	15151	13721	13721	13805	14988	15969
33 Other Entities	354	354	335	335	340	350	359	346	340	328	328	329	346	444
34 Total Regional Loads	28137	28137	26241	27506	30859	33221	33325	31983	29505	27521	27521	26882	27881	29464

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	181	181	171	184	205	221	226	212	190	187	187	172	171	179
2 Total Federal Entities	181	181	171	184	205	221	226	212	190	187	187	172	171	179
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
6 Total Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
-Generating Public Entities-														
7 Generating Public Entities	6300	6300	6099	7014	7971	8438	8553	8282	7400	7068	7068	6406	6174	6385
8 Total Generating Public Entities	6300	6300	6099	7014	7971	8438	8553	8282	7400	7068	7068	6406	6174	6385
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5345	5345	5093	5347	5875	6601	6578	6292	5730	5498	5498	5342	5351	5607
10 Total Non-Generating Public Entities	5345	5345	5093	5347	5875	6601	6578	6292	5730	5498	5498	5342	5351	5607
-Investor-Owned Entities-														
11 Investor-Owned Entities	15384	15384	13997	14225	16247	17521	17544	16689	15297	13867	13867	14011	15245	16235
12 Total Investor-Owned Entities	15384	15384	13997	14225	16247	17521	17544	16689	15297	13867	13867	14011	15245	16235
-Other Firm Loads-														
13 Other PNW Entities	437	437	418	417	422	433	441	429	423	410	410	412	429	446
14 Total Other Firm Loads	437	437	418	417	422	433	441	429	423	410	410	412	429	446
-Total Regional Firm Loads-														
15 Federal Entities	815	815	762	652	480	471	266	283	627	649	649	746	766	807
16 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
17 Public Entities	11644	11644	11192	12361	13846	15039	15131	14574	13130	12565	12565	11748	11526	11992
18 Investor-Owned Entities	15384	15384	13997	14225	16247	17521	17544	16689	15297	13867	13867	14011	15245	16235
19 Other Entities	437	437	418	417	422	433	441	429	423	410	410	412	429	446
20 Total Regional Firm Loads	28678	28678	26765	28052	31391	33860	33779	32371	29874	27888	27888	27313	28363	29877
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	815	815	762	652	480	471	266	283	627	649	649	746	766	807
30 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
31 Public Entities	11644	11644	11192	12361	13846	15039	15131	14574	13130	12565	12565	11748	11526	11992
32 Investor-Owned Entities	15384	15384	14011	14225	16247	17521	17548	16712	15352	13901	13901	14011	15245	16235
33 Other Entities	437	437	418	417	422	433	441	429	423	410	410	412	429	446
34 Total Regional Loads	28678	28678	26780	28052	31391	33860	33783	32394	29929	27922	27922	27313	28363	29877

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	182	182	172	184	206	221	250	235	208	203	203	186	187	198
2 Total Federal Entities	182	182	172	184	206	221	250	235	208	203	203	186	187	198
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
6 Total Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
-Generating Public Entities-														
7 Generating Public Entities	6352	6352	6149	7065	8024	8492	8609	8332	7447	7114	7114	6454	6221	6432
8 Total Generating Public Entities	6352	6352	6149	7065	8024	8492	8609	8332	7447	7114	7114	6454	6221	6432
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5434	5434	5178	5431	5959	6692	6670	6366	5814	5579	5579	5424	5433	5691
10 Total Non-Generating Public Entities	5434	5434	5178	5431	5959	6692	6670	6366	5814	5579	5579	5424	5433	5691
-Investor-Owned Entities-														
11 Investor-Owned Entities	15661	15661	14227	14392	16440	17746	18178	17286	15856	14376	14376	14563	15869	16905
12 Total Investor-Owned Entities	15661	15661	14227	14392	16440	17746	18178	17286	15856	14376	14376	14563	15869	16905
-Other Firm Loads-														
13 Other PNW Entities	440	440	420	419	424	435	443	430	424	412	412	413	431	449
14 Total Other Firm Loads	440	440	420	419	424	435	443	430	424	412	412	413	431	449
-Total Regional Firm Loads-														
15 Federal Entities	815	815	763	653	480	471	290	307	645	665	665	760	782	826
16 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
17 Public Entities	11786	11786	11328	12496	13983	15185	15279	14697	13261	12693	12693	11878	11654	12123
18 Investor-Owned Entities	15661	15661	14227	14392	16440	17746	18178	17286	15856	14376	14376	14563	15869	16905
19 Other Entities	440	440	420	419	424	435	443	430	424	412	412	413	431	449
20 Total Regional Firm Loads	29098	29098	27134	28357	31724	34233	34586	33117	30584	28542	28542	28011	29133	30700
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	815	815	763	653	480	471	290	307	645	665	665	760	782	826
30 Direct Service Industry	397	397	397	397	397	397	397	397	397	397	397	397	397	397
31 Public Entities	11786	11786	11328	12496	13983	15185	15279	14697	13261	12693	12693	11878	11654	12123
32 Investor-Owned Entities	15661	15661	14242	14392	16440	17746	18181	17309	15911	14410	14410	14563	15869	16905
33 Other Entities	440	440	420	419	424	435	443	430	424	412	412	413	431	449
34 Total Regional Loads	29098	29098	27148	28357	31724	34233	34590	33140	30638	28576	28576	28011	29133	30700

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	198	198	187	202	228	245	256	241	213	207	207	190	190	202
2 Total Federal Entities	198	198	187	202	228	245	256	241	213	207	207	190	190	202
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	397	397	397	442	442	442	442	442	442	442	442	442	442	442
6 Total Direct Service Industry	397	397	397	442	442	442	442	442	442	442	442	442	442	442
-Generating Public Entities-														
7 Generating Public Entities	6399	6399	6195	7112	8073	8543	8660	8382	7495	7160	7160	6502	6268	6480
8 Total Generating Public Entities	6399	6399	6195	7112	8073	8543	8660	8382	7495	7160	7160	6502	6268	6480
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5516	5516	5255	5507	6036	6774	6752	6472	5888	5655	5655	5502	5512	5772
10 Total Non-Generating Public Entities	5516	5516	5255	5507	6036	6774	6752	6472	5888	5655	5655	5502	5512	5772
-Investor-Owned Entities-														
11 Investor-Owned Entities	16320	16320	14805	14913	17024	18395	18455	17534	16088	14575	14575	14817	16172	17197
12 Total Investor-Owned Entities	16320	16320	14805	14913	17024	18395	18455	17534	16088	14575	14575	14817	16172	17197
-Other Firm Loads-														
13 Other PNW Entities	442	442	422	420	425	436	445	432	426	413	413	415	434	451
14 Total Other Firm Loads	442	442	422	420	425	436	445	432	426	413	413	415	434	451
-Total Regional Firm Loads-														
15 Federal Entities	832	832	778	671	502	495	296	312	650	669	669	764	785	830
16 Direct Service Industry	397	397	397	442	442	442	442	442	442	442	442	442	442	442
17 Public Entities	11915	11915	11450	12619	14108	15316	15413	14853	13383	12815	12815	12004	11780	12252
18 Investor-Owned Entities	16320	16320	14805	14913	17024	18395	18455	17534	16088	14575	14575	14817	16172	17197
19 Other Entities	442	442	422	420	425	436	445	432	426	413	413	415	434	451
20 Total Regional Firm Loads	29904	29904	27852	29064	32501	35084	35049	33573	30987	28914	28914	28441	29612	31173
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	832	832	778	671	502	495	296	312	650	669	669	764	785	830
30 Direct Service Industry	397	397	397	442	442	442	442	442	442	442	442	442	442	442
31 Public Entities	11915	11915	11450	12619	14108	15316	15413	14853	13383	12815	12815	12004	11780	12252
32 Investor-Owned Entities	16320	16320	14820	14913	17024	18395	18458	17557	16142	14609	14609	14817	16172	17197
33 Other Entities	442	442	422	420	425	436	445	432	426	413	413	415	434	451
34 Total Regional Loads	29904	29904	27867	29064	32501	35084	35053	33596	31042	28948	28948	28441	29612	31173

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	202	202	191	206	233	250	256	230	213	208	208	190	191	202
2 Total Federal Entities	202	202	191	206	233	250	256	230	213	208	208	190	191	202
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	442	442	442	487	487	487	487	487	487	487	487	487	487	487
6 Total Direct Service Industry	442	442	442	487	487	487	487	487	487	487	487	487	487	487
-Generating Public Entities-														
7 Generating Public Entities	6446	6446	6240	7182	8145	8617	8736	8449	7566	7231	7231	6574	6338	6551
8 Total Generating Public Entities	6446	6446	6240	7182	8145	8617	8736	8449	7566	7231	7231	6574	6338	6551
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5596	5596	5331	5582	6112	6855	6829	6486	5962	5725	5725	5573	5584	5848
10 Total Non-Generating Public Entities	5596	5596	5331	5582	6112	6855	6829	6486	5962	5725	5725	5573	5584	5848
-Investor-Owned Entities-														
11 Investor-Owned Entities	16626	16626	15066	15136	17351	18665	18669	17737	16255	14712	14712	15017	16413	17460
12 Total Investor-Owned Entities	16626	16626	15066	15136	17351	18665	18669	17737	16255	14712	14712	15017	16413	17460
-Other Firm Loads-														
13 Other PNW Entities	444	444	424	421	427	438	446	433	427	414	414	416	436	454
14 Total Other Firm Loads	444	444	424	421	427	438	446	433	427	414	414	416	436	454
-Total Regional Firm Loads-														
15 Federal Entities	835	835	782	675	507	500	297	301	650	670	670	764	786	831
16 Direct Service Industry	442	442	442	487	487	487	487	487	487	487	487	487	487	487
17 Public Entities	12042	12042	11572	12764	14257	15472	15564	14935	13528	12955	12955	12147	11922	12399
18 Investor-Owned Entities	16626	16626	15066	15136	17351	18665	18669	17737	16255	14712	14712	15017	16413	17460
19 Other Entities	444	444	424	421	427	438	446	433	427	414	414	416	436	454
20 Total Regional Firm Loads	30389	30389	28286	29484	33029	35561	35463	33892	31347	29239	29239	28831	30044	31629
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	835	835	782	675	507	500	297	301	650	670	670	764	786	831
30 Direct Service Industry	442	442	442	487	487	487	487	487	487	487	487	487	487	487
31 Public Entities	12042	12042	11572	12764	14257	15472	15564	14935	13528	12955	12955	12147	11922	12399
32 Investor-Owned Entities	16626	16626	15080	15136	17351	18665	18672	17760	16309	14746	14746	15017	16413	17460
33 Other Entities	444	444	424	421	427	438	446	433	427	414	414	416	436	454
34 Total Regional Loads	30389	30389	28300	29484	33029	35561	35466	33915	31401	29273	29273	28831	30044	31629

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	202	202	192	207	234	250	343	324	277	266	266	241	245	271
2 Total Federal Entities	202	202	192	207	234	250	343	324	277	266	266	241	245	271
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
6 Total Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
-Generating Public Entities-														
7 Generating Public Entities	6517	6517	6310	7253	8219	8692	8811	8531	7638	7302	7302	6647	6411	6625
8 Total Generating Public Entities	6517	6517	6310	7253	8219	8692	8811	8531	7638	7302	7302	6647	6411	6625
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5669	5669	5402	5652	6182	6932	6903	6610	6030	5792	5792	5643	5654	5920
10 Total Non-Generating Public Entities	5669	5669	5402	5652	6182	6932	6903	6610	6030	5792	5792	5643	5654	5920
-Investor-Owned Entities-														
11 Investor-Owned Entities	16919	16919	15285	15329	17561	18880	18868	17981	16445	14922	14922	15181	16632	17757
12 Total Investor-Owned Entities	16919	16919	15285	15329	17561	18880	18868	17981	16445	14922	14922	15181	16632	17757
-Other Firm Loads-														
13 Other PNW Entities	447	447	426	423	428	440	448	435	429	416	416	418	438	456
14 Total Other Firm Loads	447	447	426	423	428	440	448	435	429	416	416	418	438	456
-Total Regional Firm Loads-														
15 Federal Entities	836	836	782	676	508	501	383	395	714	728	728	815	840	899
16 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
17 Public Entities	12186	12186	11712	12905	14400	15624	15714	15141	13669	13094	13094	12289	12064	12544
18 Investor-Owned Entities	16919	16919	15285	15329	17561	18880	18868	17981	16445	14922	14922	15181	16632	17757
19 Other Entities	447	447	426	423	428	440	448	435	429	416	416	418	438	456
20 Total Regional Firm Loads	30874	30874	28692	29819	33384	35931	35900	34438	31744	29647	29647	29189	30462	32144
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	836	836	782	676	508	501	383	395	714	728	728	815	840	899
30 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
31 Public Entities	12186	12186	11712	12905	14400	15624	15714	15141	13669	13094	13094	12289	12064	12544
32 Investor-Owned Entities	16919	16919	15300	15329	17561	18880	18872	18004	16500	14956	14956	15181	16632	17757
33 Other Entities	447	447	426	423	428	440	448	435	429	416	416	418	438	456
34 Total Regional Loads	30874	30874	28707	29819	33384	35931	35904	34461	31798	29680	29680	29189	30462	32144

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	261	261	247	269	312	334	343	324	277	266	266	241	245	271
2 Total Federal Entities	261	261	247	269	312	334	343	324	277	266	266	241	245	271
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
6 Total Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
-Generating Public Entities-														
7 Generating Public Entities	6588	6588	6379	7323	8291	8766	8886	8603	7707	7370	7370	6716	6478	6693
8 Total Generating Public Entities	6588	6588	6379	7323	8291	8766	8886	8603	7707	7370	7370	6716	6478	6693
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5738	5738	5468	5717	6249	7006	6978	6666	6099	5859	5859	5712	5724	5993
10 Total Non-Generating Public Entities	5738	5738	5468	5717	6249	7006	6978	6666	6099	5859	5859	5712	5724	5993
-Investor-Owned Entities-														
11 Investor-Owned Entities	17142	17142	15468	15497	17679	19153	19101	18103	16623	15091	15091	15391	16863	18030
12 Total Investor-Owned Entities	17142	17142	15468	15497	17679	19153	19101	18103	16623	15091	15091	15391	16863	18030
-Other Firm Loads-														
13 Other PNW Entities	448	448	427	424	430	441	450	436	430	417	417	419	440	458
14 Total Other Firm Loads	448	448	427	424	430	441	450	436	430	417	417	419	440	458
-Total Regional Firm Loads-														
15 Federal Entities	895	895	838	738	586	584	383	395	715	728	728	815	841	899
16 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
17 Public Entities	12326	12326	11847	13040	14540	15772	15864	15269	13807	13229	13229	12428	12202	12686
18 Investor-Owned Entities	17142	17142	15468	15497	17679	19153	19101	18103	16623	15091	15091	15391	16863	18030
19 Other Entities	448	448	427	424	430	441	450	436	430	417	417	419	440	458
20 Total Regional Firm Loads	31297	31297	29067	30186	33722	36437	36284	34690	32061	29952	29952	29540	30832	32560
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	895	895	838	738	586	584	383	395	715	728	728	815	841	899
30 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
31 Public Entities	12326	12326	11847	13040	14540	15772	15864	15269	13807	13229	13229	12428	12202	12686
32 Investor-Owned Entities	17142	17142	15482	15497	17679	19153	19104	18126	16677	15125	15125	15391	16863	18030
33 Other Entities	448	448	427	424	430	441	450	436	430	417	417	419	440	458
34 Total Regional Loads	31297	31297	29082	30186	33722	36437	36287	34713	32115	29986	29986	29540	30832	32560

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	261	261	247	269	312	334	344	325	278	267	267	242	246	272
2 Total Federal Entities	261	261	247	269	312	334	344	325	278	267	267	242	246	272
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
6 Total Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
-Generating Public Entities-														
7 Generating Public Entities	6657	6657	6447	7392	8363	8839	8960	8675	7777	7439	7439	6786	6547	6762
8 Total Generating Public Entities	6657	6657	6447	7392	8363	8839	8960	8675	7777	7439	7439	6786	6547	6762
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5810	5810	5538	5786	6320	7084	7055	6765	6170	5928	5928	5783	5796	6068
10 Total Non-Generating Public Entities	5810	5810	5538	5786	6320	7084	7055	6765	6170	5928	5928	5783	5796	6068
-Investor-Owned Entities-														
11 Investor-Owned Entities	17355	17355	15660	15687	17896	19388	19335	18325	16826	15276	15276	15582	17073	18254
12 Total Investor-Owned Entities	17355	17355	15660	15687	17896	19388	19335	18325	16826	15276	15276	15582	17073	18254
-Other Firm Loads-														
13 Other PNW Entities	450	450	429	426	431	443	451	438	432	418	418	420	441	460
14 Total Other Firm Loads	450	450	429	426	431	443	451	438	432	418	418	420	441	460
-Total Regional Firm Loads-														
15 Federal Entities	895	895	838	738	586	584	384	396	715	729	729	816	841	900
16 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
17 Public Entities	12467	12467	11985	13178	14682	15922	16015	15440	13947	13367	13367	12569	12343	12830
18 Investor-Owned Entities	17355	17355	15660	15687	17896	19388	19335	18325	16826	15276	15276	15582	17073	18254
19 Other Entities	450	450	429	426	431	443	451	438	432	418	418	420	441	460
20 Total Regional Firm Loads	31654	31654	29398	30515	34082	36824	36671	35085	32407	30277	30277	29873	31185	32930
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	895	895	838	738	586	584	384	396	715	729	729	816	841	900
30 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
31 Public Entities	12467	12467	11985	13178	14682	15922	16015	15440	13947	13367	13367	12569	12343	12830
32 Investor-Owned Entities	17355	17355	15674	15687	17896	19388	19338	18348	16881	15310	15310	15582	17073	18254
33 Other Entities	450	450	429	426	431	443	451	438	432	418	418	420	441	460
34 Total Regional Loads	31654	31654	29412	30515	34082	36824	36675	35108	32462	30311	30311	29873	31185	32930

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads														
-Federal Entities-														
1 Federal Entities	262	262	248	270	313	335	345	311	279	268	268	242	247	272
2 Total Federal Entities	262	262	248	270	313	335	345	311	279	268	268	242	247	272
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
4 Total U.S. Bureau of Reclamation	634	634	591	469	274	250	40	71	437	462	462	574	595	628
-Direct Service Industry-														
5 Direct Sevice Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
6 Total Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
-Generating Public Entities-														
7 Generating Public Entities	6726	6726	6514	7461	8434	8912	9034	8740	7844	7502	7502	6847	6606	6820
8 Total Generating Public Entities	6726	6726	6514	7461	8434	8912	9034	8740	7844	7502	7502	6847	6606	6820
-Non-Generating Public Entities-														
9 Non-Generating Public Entities	5883	5883	5608	5855	6390	7161	7131	6778	6240	5998	5998	5855	5869	6143
10 Total Non-Generating Public Entities	5883	5883	5608	5855	6390	7161	7131	6778	6240	5998	5998	5855	5869	6143
-Investor-Owned Entities-														
11 Investor-Owned Entities	17571	17571	15854	15878	18114	19625	19570	18548	17031	15462	15462	15774	17284	18480
12 Total Investor-Owned Entities	17571	17571	15854	15878	18114	19625	19570	18548	17031	15462	15462	15774	17284	18480
-Other Firm Loads-														
13 Other PNW Entities	451	451	430	427	433	444	453	439	433	420	420	421	443	461
14 Total Other Firm Loads	451	451	430	427	433	444	453	439	433	420	420	421	443	461
-Total Regional Firm Loads-														
15 Federal Entities	895	895	839	739	587	585	385	382	716	730	730	816	842	900
16 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
17 Public Entities	12609	12609	12122	13316	14825	16073	16165	15518	14084	13499	13499	12702	12475	12963
18 Investor-Owned Entities	17571	17571	15854	15878	18114	19625	19570	18548	17031	15462	15462	15774	17284	18480
19 Other Entities	451	451	430	427	433	444	453	439	433	420	420	421	443	461
20 Total Regional Firm Loads	32013	32013	29731	30847	34445	37213	37060	35373	32751	30597	30597	30200	31530	33292
Non-Firm Loads														
-Investor-Owned Entities-														
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-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	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0
-Total Regional Loads-														
29 Federal Entities	895	895	839	739	587	585	385	382	716	730	730	816	842	900
30 Direct Service Industry	487	487	487	487	487	487	487	487	487	487	487	487	487	487
31 Public Entities	12609	12609	12122	13316	14825	16073	16165	15518	14084	13499	13499	12702	12475	12963
32 Investor-Owned Entities	17571	17571	15868	15878	18114	19625	19574	18571	17086	15495	15495	15774	17284	18480
33 Other Entities	451	451	430	427	433	444	453	439	433	420	420	421	443	461
34 Total Regional Loads	32013	32013	29745	30847	34445	37213	37063	35396	32805	30631	30631	30200	31530	33292

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Table A-2
Exports
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

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Table A-2: Regional Exports
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	65	65	57	57	63	69	69	68	62	57	57	54	60	68
3 Total Exports to ECD	71	71	64	64	70	76	75	75	69	64	64	61	67	74
-Exports to Pacific Southwest-														
4 AVST to SMUD PwrS	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
7 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	0
8 BPA to RVSD CapS	0	0	0	0	16	16	16	16	16	16	16	23	0	0
9 BPA to RVSD C/N/X	23	23	23	23	0	0	0	0	0	0	0	0	0	0
10 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	60
11 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
12 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
16 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 LDWP to LDWP PwrS	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
18 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
19 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
20 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
21 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
22 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
23 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
25 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
27 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	30	30
28 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
29 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
30 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
31 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
32 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
33 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
34 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
35 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
36 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
37 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
38 Total Exports To PSW	1299	1299	1299	923	783	780	780	780	783	783	790	766	1276	1276
-Exports to Inland Southwest-														
39 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
40 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
41 BPA to BCHP CanEnt	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316
42 Total Exports To Canada	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316	1316
-Exports to Other Entities-														
43 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
44 Federal Entities	1557	1557	1549	1503	1456	1462	1462	1461	1455	1480	1480	1546	1528	1536
45 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
46 Investor-Owned Entities	598	598	598	268	218	218	218	218	218	218	218	182	598	598
47 Other Entities	83	83	83	83	75	75	75	75	75	75	83	83	83	83
48 Total Exports.	2762	2762	2755	2348	2214	2217	2217	2216	2213	2237	2245	2217	2733	2741

Table A-2: Regional Exports
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	65	65	58	9.6	9.4	10	8.7	9.2	9	7.7	7.7	9	9.6	11
3 Total Exports to ECD	72	72	65	16	16	17	16	16	16	14	14	16	16	18
-Exports to Pacific Southwest-														
4 AVST to SMUD PwrS	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to PASA C/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	15
7 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	0
8 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 C/N/X	0	0	0	60	15	15	15	15	15	15	15	0	0	60
11 BPA to RVSD C/N/X	60	60	60	0	0	0	0	0	0	0	0	0	0	0
12 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	60	60	0
14 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
17 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
18 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LDWP to LDWP PwrS	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
20 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
21 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
23 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
24 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
25 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
27 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20
29 PGE to GLEN S/Pwr/X	30	30	30	0	0	0	0	0	0	0	0	0	0	0
30 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
31 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
32 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
33 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
34 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
35 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
36 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
37 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
38 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
39 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
40 Total Exports To PSW	1276	1276	1276	899	766	764	764	764	766	766	774	742	1246	1246
-Exports to Inland Southwest-														
41 BPA to SPP PwrS	0	0	0	45	45	45	45	45	45	75	75	75	75	75
42 BPA to SPP PwrS	75	75	75	0	0	0	0	0	0	0	0	0	0	0
43 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
44 BPA to BCHP CanEnt	0	0	0	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314
45 BPA to BCHP CanEnt	1314	1314	1314	0	0	0	0	0	0	0	0	0	0	0
46 Total Exports To Canada	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314	1314
-Exports to Other Entities-														
47 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
48 Federal Entities	1531	1531	1524	1430	1384	1385	1383	1384	1383	1412	1412	1475	1476	1477
49 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
50 Investor-Owned Entities	598	598	598	268	218	218	218	218	218	218	218	182	568	568
51 Other Entities	83	83	83	83	75	75	75	75	75	75	83	83	83	83

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
52 Total Exports.	2737	2737	2729	2275	2141	2140	2138	2139	2141	2170	2177	2147	2651	2653

Table A-2: Regional Exports
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	12	12	9.6	9.6	9.4	10	8.7	9.2	9	7.7	7.7	9	9.6	11
3 Total Exports to ECD	18	18	16	16	16	17	16	16	16	14	14	16	16	18
-Exports to Pacific Southwest-														
4 AVST to SMUD PwrS	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
7 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	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 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
13 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
14 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 LDWP to LDWP PwrS	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
16 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
17 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
18 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
19 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
20 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
21 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
23 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0
25 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
27 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
28 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
29 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
30 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
31 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
32 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
33 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
34 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
35 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
36 Total Exports To PSW	1246	1246	1246	879	746	744	744	744	746	746	754	722	1226	1226
-Exports to Inland Southwest-														
37 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
38 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
39 BPA to BCHP CanEnt	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321
40 Total Exports To Canada	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321	1321
-Exports to Other Entities-														
41 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
42 Federal Entities	1485	1485	1483	1437	1391	1392	1390	1391	1390	1419	1419	1482	1483	1484
43 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
44 Investor-Owned Entities	568	568	568	248	198	198	198	198	198	198	198	162	548	548
45 Other Entities	83	83	83	83	75	75	75	75	75	75	83	83	83	83
46 Total Exports.	2660	2660	2658	2262	2128	2127	2125	2126	2128	2157	2164	2134	2638	2640

Table A-2: Regional Exports
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	12	12	9.6	9.6	9.5	10	8.7	9.3	9.1	7.7	7.7	9.1	9.6	11
3 Total Exports to ECD	18	18	16	16	16	17	16	16	16	14	14	16	16	18
-Exports to Pacific Southwest-														
4 AVST to SMUD PwrS	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	15
7 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	15	15	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 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
13 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
14 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 LDWP to LDWP PwrS	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
16 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
17 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
18 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
19 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
20 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
21 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
23 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
25 PPL to SMUD PwrS	100	100	100	100	100	100	100	100	100	100	100	100	100	100
26 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
27 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
28 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
29 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
30 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
31 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
32 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
33 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
34 Total Exports To PSW	1226	1226	1226	879	746	744	744	744	746	746	754	722	1226	1226
-Exports to Inland Southwest-														
35 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
36 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
37 BPA to BCHP CanEnt	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336
38 Total Exports To Canada	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336	1336
-Exports to Other Entities-														
39 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
40 Federal Entities	1500	1500	1498	1452	1406	1407	1405	1406	1406	1434	1434	1497	1498	1499
41 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
42 Investor-Owned Entities	548	548	548	248	198	198	198	198	198	198	198	162	548	548
43 Other Entities	83	83	83	83	75	75	75	75	75	75	83	83	83	83
44 Total Exports.	2655	2655	2653	2277	2143	2142	2140	2141	2143	2172	2179	2149	2653	2655

Table A-2: Regional Exports
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	12	12	9.6	9.6	9.5	10	8.7	9.3	9.1	7.7	7.7	9.1	9.7	11
3 Total Exports to ECD	18	18	16	16	16	17	16	16	16	14	14	16	16	18
-Exports to Pacific Southwest-														
4 AVST to SMUD PwrS	75	75	75	75	75	75	0	0	0	0	0	0	0	0
5 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to PASA C/N/X	15	15	15	0	0	0	0	0	0	0	0	0	0	0
7 BPA to PASA S/N/X	0	0	0	0	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 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
13 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
14 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 LDWP to LDWP PwrS	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
16 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
17 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
18 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
19 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
20 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
21 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
23 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	50	50	50
25 PPL to SMUD PwrS	100	100	100	100	100	100	0	0	0	0	0	0	0	0
26 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
27 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
28 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
29 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
30 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
31 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
32 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
33 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
34 Total Exports To PSW	1226	1226	1226	879	746	744	569	569	571	571	579	531	1035	1035
-Exports to Inland Southwest-														
35 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
36 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
37 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
38 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
39 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
40 Federal Entities	1514	1514	1512	1466	1420	1421	1419	1420	1420	1448	1448	1496	1496	1498
41 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
42 Investor-Owned Entities	548	548	548	248	198	198	98	98	98	98	98	62	448	448
43 Other Entities	83	83	83	83	75	75	0	0	0	0	7.8	7.8	7.8	7.8
44 Total Exports.	2669	2669	2667	2291	2157	2156	1979	1980	1982	2011	2018	1972	2477	2478

Table A-2: Regional Exports
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 BPA to Other Entities	12	12	9.7	9.6	9.5	10	8.7	9.3	9.1	7.7	7.7	9.1	9.7	0
3 Total Exports to ECD	18	18	16	16	16	17	16	16	16	14	14	16	16	6.8
-Exports to Pacific Southwest-														
4 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA to RVSD C/N/X	60	60	60	60	15	15	15	15	15	15	15	0	0	0
6 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
10 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
11 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 LDWP to LDWP PwrS	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
13 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
14 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
15 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
16 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
17 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
18 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
20 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PPL to REDD PwrS	50	50	50	50	0	0	0	0	0	0	0	0	0	0
22 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
23 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
24 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
25 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
26 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
27 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
28 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
29 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
30 Total Exports To PSW	1035	1035	1035	704	571	569	569	569	571	571	579	420	924	924
-Exports to Inland Southwest-														
31 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
32 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
33 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
34 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
35 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
36 Federal Entities	1498	1498	1496	1466	1420	1421	1419	1420	1420	1448	1448	1434	1435	1425
37 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
38 Investor-Owned Entities	448	448	448	148	98	98	98	98	98	98	98	12	398	398
39 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
40 Total Exports.	2479	2479	2477	2116	1982	1981	1979	1980	1982	2011	2018	1861	2365	2355

Table A-2: Regional Exports
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 Total Exports to ECD	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-Exports to Pacific Southwest-														
3 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
8 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LDWP to LDWP PwrS	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
10 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
11 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
12 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
13 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
14 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
15 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
17 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
19 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
20 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
21 SMUD to SMUD PwrS	20	20	20	20	20	17	17	17	20	20	20	20	20	20
22 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
23 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
24 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
25 BPA NW-SW Intertie Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports To PSW	924	924	924	593	556	553	553	553	556	556	564	420	924	924
-Exports to Inland Southwest-														
27 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
28 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75
-Exports to Canada-														
29 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
30 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
31 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
32 Federal Entities	1425	1425	1425	1395	1395	1395	1395	1395	1395	1425	1425	1425	1425	1425
33 Public Entities	525	525	525	494	465	462	462	462	465	465	465	407	525	525
34 Investor-Owned Entities	398	398	398	98	98	98	98	98	98	98	98	12	398	398
35 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
36 Total Exports.	2355	2355	2355	1994	1958	1955	1955	1955	1958	1988	1995	1851	2355	2355

Table A-2: Regional Exports
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 Total Exports to ECD	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-Exports to Pacific Southwest-														
3 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
8 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LDWP to LDWP PwrS	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
10 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
11 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
12 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
13 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
14 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
15 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
17 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
19 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
20 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
21 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
23 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
24 BPA NW-SW Intertie Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Exports To PSW	904	904	904	573	536	536	536	536	536	536	544	400	904	904
-Exports to Inland Southwest-														
26 BPA to SPP PwrS	75	75	75	45	45	45	45	45	0	0	0	0	0	0
27 Total Exports To ISW	75	75	75	45	45	45	45	45	0	0	0	0	0	0
-Exports to Canada-														
28 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
29 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
30 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
31 Federal Entities	1425	1425	1425	1395	1395	1395	1395	1395	1350	1350	1350	1350	1350	1350
32 Public Entities	505	505	505	474	445	445	445	445	445	445	445	387	505	505
33 Investor-Owned Entities	398	398	398	98	98	98	98	98	98	98	98	12	398	398
34 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
35 Total Exports.	2336	2336	2336	1975	1938	1938	1938	1938	1893	1893	1901	1757	2261	2261

Table A-2: Regional Exports
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 Total Exports to ECD	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-Exports to Pacific Southwest-														
3 BPA to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
8 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LDWP to LDWP PwrS	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
10 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
11 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
12 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
13 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
14 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
15 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
17 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
19 SCL to NCPA S/Pwr/X	60	60	60	29	0	0	0	0	0	0	0	0	60	60
20 SDGE to SDGE PwrS	86	86	86	86	86	86	86	86	86	86	86	0	86	86
21 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
23 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
24 BPA NW-SW Intertie Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Exports To PSW	904	904	904	573	536	536	536	536	536	536	544	400	904	904
-Exports to Inland Southwest-														
26 Total Exports To ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Exports to Canada-														
27 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
28 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
29 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
30 Federal Entities	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
31 Public Entities	505	505	505	474	445	445	445	445	445	445	445	387	505	505
32 Investor-Owned Entities	398	398	398	98	98	98	98	98	98	98	98	12	398	398
33 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
34 Total Exports.	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261

Table A-2: Regional Exports
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Exports East of Continental Divide-														
1 AVWP to PPLM PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
2 Total Exports to ECD	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-Exports to Pacific Southwest-														
3 BURB to BURB PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 GLEN to GLEN PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 GLEN to GLEN PwrS	15	15	15	15	15	15	15	15	15	15	15	15	15	15
6 GLEN to GLEN PwrS	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
7 LDWP to LDWP PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 LDWP to LDWP PwrS	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
9 LDWP to LDWP PwrS	187	187	187	187	187	187	187	187	187	187	187	187	187	187
10 LDWP to LDWP PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 MACQ to BURB PwrS	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
12 MID to MID PwrS	49	49	49	49	49	49	49	49	49	49	49	49	49	49
13 Other Entities to Other Entities	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
14 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PG&E to PG&E PwrS	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
16 PG&E to PG&E PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PSE to PG&E S/Pwr/X	300	300	300	0	0	0	0	0	0	0	0	0	300	300
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	86	86	86	86	86	86	86	86	86	86	86	0	86	86
20 SMUD to SMUD PwrS	55	55	55	55	55	55	55	55	55	55	55	55	55	55
21 TID to TID PwrS	58	58	58	58	58	58	58	58	58	58	58	0	58	58
22 TID to TID PwrS	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
23 BPA NW-SW Intertie Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Exports To PSW	904	904	904	573	536	536	536	536	536	536	544	400	904	904
-Exports to Inland Southwest-														
25 Total Exports To ISW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Exports to Canada-														
26 BPA to BCHP CanEnt	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
27 Total Exports To Canada	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
-Exports to Other Entities-														
28 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Exports-														
29 Federal Entities	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350	1350
30 Public Entities	505	505	505	474	445	445	445	445	445	445	445	387	505	505
31 Investor-Owned Entities	398	398	398	98	98	98	98	98	98	98	98	12	398	398
32 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
33 Total Exports.	2261	2261	2261	1930	1893	1893	1893	1893	1893	1893	1901	1757	2261	2261

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Table A-3
Regulated Hydro Projects
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	42	32	28	28	29	28	28	26	36	48	50
2 Alder	51	43	0	0	0	44	34	28	28	30	0	43	48	52
3 Bonneville	1042	1042	1049	1048	1049	1051	1052	1052	1048	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	868	1016	845
5 Box Canyon	83	83	83	80	81	82	82	83	82	82	80	78	73	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	238	238
8 Chelan	58	58	57	57	57	56	55	55	16	54	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	44	39	0	0	0	34	25	18	0	0	0	26	0	0
11 Cushman 2	88	88	0	0	0	88	88	88	0	0	0	88	0	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	6243	6134	6249	6359	6608	6442	6192	5750	5167	4450	4526	4824	5742	6340
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	416	414	410	404	396	388	379	370	360	354	278	290	409	417
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	597	596	594	592	589	583	579	577	575	574	574	577	586	592
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	69	64	64	69	72	72	72	72	72
27 Lower Baker	71	66	59	61	60	59	57	54	14	64	67	64	67	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	803	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	169	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	147	133	131	128	113	113	113	113	124	124	131	148
33 Monroe Street	6.6	5.3	11	9.2	9	12	4.6	5.9	12	14	14	14	14	11
34 Mossyrock	378	370	378	365	327	252	159	134	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	543	507	533	535	545	543	533	533	543	545	535	533	543	552
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	11	10	10	11	11	12	11	11	12	14	15	12	12	10
42 Post Falls	16	14	16	16	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	754	754	754	754	754	754	754	754	754	754	754	754	754	754
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	171	173	171	174	175	176	175	172	172	173
46 Rock Island PH#2	431	428	429	428	429	428	430	428	429	432	430	429	430	429
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1292	1296	1299	1299	1299
48 Ross	440	425	230	322	414	393	345	269	218	218	223	280	372	430
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	265	263	261	170	229	168	140	140	152	158	0.2	233	265	268
51 Swift 2	60	62	64	51	69	76	76	76	76	76	0.1	76	63	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	99	96	96	44	96	86	80	80	0	90	88	92	100	102
55 Upper Falls	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	132	130	129	96	130	122	108	94	94	106	106	0	133	133
Total Regulated Hydro w/Enc.	30824	30729	30638	30626	30957	30974	30323	29763	28912	28510	28197	28722	30399	30947

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20306	20297	20459	20566	20798	20631	20368	19914	19317	18560	18507	18832	19892	20506
60 Public Entities	4484	4448	4092	4140	4214	4317	4103	3988	3820	3902	3814	3890	4442	4340
61 Investor-Owned Entities	5360	5310	5414	5247	5271	5353	5179	5188	5103	5377	5203	5327	5391	5428
62 Other Entities	673	673	672	673	673	673	673	673	672	671	672	673	673	673
63 Total Regulated Hydro w/Enc.	30824	30729	30638	30626	30957	30974	30323	29763	28912	28510	28197	28722	30399	30947

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	51	43	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1049	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	57	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	44	39	0	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	416	414	410	384	378	372	366	359	352	348	278	290	387	393
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	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	597	596	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	71	66	59	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	803	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	147	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	6.6	5.3	11	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	378	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	543	507	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	11	10	10	11	11	12	11	11	12	15	15	12	12	11
42 Post Falls	16	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	754	754	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	431	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	440	425	230	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	265	263	261	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	60	62	64	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2074	2074	2074	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	99	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	132	130	129	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30824	30729	30638	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20306	20297	20459	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4484	4448	4092	4028	4535	4539	4566	4449	4244	4285	4240	4423	4873	4781
61 Investor-Owned Entities	5360	5310	5414	4928	4697	4855	4708	4707	4577	4882	4700	4820	4889	4769
62 Other Entities	673	673	672	672	769	769	769	769	768	768	768	769	769	906
63 Total Regulated Hydro w/Enc.	30824	30729	30638	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4493	4444	4548	4552	4579	4463	4258	4299	4253	4437	4887	4781
61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4493	4444	4548	4552	4579	4463	4258	4299	4253	4437	4887	4781
61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4493	4444	4548	4552	4579	4463	4258	4299	4253	4437	4887	4781
61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

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Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
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2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

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PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

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61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4493	4444	4548	4552	4579	4463	4258	4299	4253	4437	4887	4781
61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	755
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4493	4444	4548	4552	4579	4463	4258	4299	4253	4437	4887	4781
61 Investor-Owned Entities	4647	4636	4735	4278	4547	4704	4557	4556	4426	4730	4548	4670	4739	4769
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	755	755	754	754	754	754	754	754	754	754	754	754	754	754
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

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PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	4822	4784	4991	4941	5045	5050	5077	4960	4755	4796	4750	4934	5384	5279
61 Investor-Owned Entities	4647	4636	4237	3781	4049	4207	4060	4059	3929	4233	4051	4172	4241	4272
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

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PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Regulated Hydro Projects-														
1 Albeni Falls	50	50	50	43	32	28	28	29	29	25	32	40	48	50
2 Alder	37	30	0	0	0	41	38	32	28	30	0	43	48	52
3 Bonneville	1042	1042	1048	1049	1048	1051	1054	1053	1043	1042	1042	1042	1042	1042
4 Boundary	845	845	845	845	845	845	845	845	845	845	845	1003	1021	845
5 Box Canyon	83	83	83	80	82	81	83	83	83	79	82	77	71	80
6 Brownlee	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7 Cabinet Gorge	238	238	238	238	238	238	238	238	238	238	238	238	239	238
8 Chelan	58	58	58	57	56	56	55	54	16	16	16	55	57	58
9 Chief Joseph	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535	2535
10 Cushman 1	27	22	18	17	16	18	20	17	17	21	24	23	24	29
11 Cushman 2	88	88	0.3	1	3.3	4.9	79	88	3.6	2	2	88	1	0.3
12 Diablo	172	172	172	172	172	172	172	172	172	172	172	172	172	172
13 Dworshak	448	447	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	6243	6134	6249	6359	6563	6346	6093	5666	5127	4448	4526	4824	5792	6356
17 Hells Canyon	285	285	366	372	246	394	305	334	342	450	450	450	330	333
18 Hungry Horse	393	391	388	384	378	372	366	359	352	348	278	290	387	393
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	179	179	179	178	177	176	173	171	172	170	166	172	178	180
22 La Grande	64	64	64	64	64	64	64	64	64	64	64	64	64	64
23 Libby	596	595	594	592	588	582	579	577	575	574	574	573	579	588
24 Little Falls	35	35	35	35	35	35	35	35	35	35	33	32	35	35
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	68	72	72	72	72	72
27 Lower Baker	67	57	56	59	60	60	57	54	56	58	57	55	65	71
28 Lower Granite	912	912	912	912	918	930	930	930	930	918	912	912	912	912
29 Lower Monumental	802	907	915	922	922	922	922	922	922	915	907	907	907	907
30 Mayfield	125	125	125	125	125	125	125	125	125	125	125	84	125	125
31 McNary	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32 Merwin	147	146	136	96	113	122	122	113	113	113	124	124	131	148
33 Monroe Street	5	5.3	14	2.9	7.1	12	4.6	5.9	12	14	14	14	14	12
34 Mossyrock	378	370	369	318	282	266	250	186	157	196	236	0	378	378
35 Nine Mile	22	22	22	22	22	22	22	22	22	22	21	20	21	22
36 North Fork	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37 Noxon	496	492	533	533	518	543	533	533	467	545	535	533	543	545
38 Oak Grove	44	44	44	44	44	44	44	44	44	44	44	44	44	44
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	12	15	15	12	12	11
42 Post Falls	12	14	16	1.8	16	16	16	16	16	15	14	13	15	16
43 Priest Rapids	754	754	754	754	754	754	754	754	754	754	754	754	754	754
44 River Mill	23	23	23	23	23	23	23	23	23	23	23	23	23	23
45 Rock Island PH#1	168	175	175	175	172	173	171	174	175	176	176	170	171	174
46 Rock Island PH#2	432	428	429	429	429	428	430	428	429	430	430	430	430	428
47 Rocky Reach	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
48 Ross	392	374	211	295	361	344	316	266	218	218	218	278	371	425
49 Round Butte	300	300	300	300	300	300	300	300	300	300	300	300	300	300
50 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
51 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
52 The Dalles	2030	2030	2030	2030	2030	2034	2034	2035	2032	2030	2030	2030	2030	2030
53 Thompson Falls	85	85	85	85	85	85	85	85	85	85	85	83	79	85
54 Upper Baker	96	96	96	44	96	91	86	80	0	92	90	92	100	102
55 Upper Falls	9.8	9.8	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.4	8.8	8.7	9.3	9.8
56 Wanapum	749	749	749	749	749	749	749	749	749	749	749	749	749	749
57 Wells	840	840	840	840	840	840	840	840	840	840	840	840	840	840
58 Yale	130	130	124	0	119	114	99	94	94	106	106	0	133	132
Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

-Total Regulated Hydro w/Enc.-

Table A-3: Regional Regulated Hydro Projects
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Continued 5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	20237	20229	20392	20502	20691	20478	20218	19780	19221	18503	18469	18788	19868	20449
60 Public Entities	5320	5282	4991	4941	5045	5050	5077	4960	4755	4796	4750	4934	5384	5279
61 Investor-Owned Entities	4149	4138	4237	3781	4049	4207	4060	4059	3929	4233	4051	4172	4241	4272
62 Other Entities	906	906	906	906	906	906	906	906	906	906	906	906	906	906
63 Total Regulated Hydro w/Enc.	30612	30555	30526	30130	30692	30640	30261	29705	28811	28438	28176	28800	30399	30905

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Table A-4
Independent Hydro Projects
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	0	0	0	0	0	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	2.4	3.0	3	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0.4	0.5	0.5	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1647	1654	1700	1736	1686	1544	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	250	245	289	275	266	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	826	817	826	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1647	1654	1700	1736	1686	1544	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Independent Hydro Projects-														
1 American Falls	0	0	9.2	15	0	0	0	0	6.7	28	33	71	75	82
2 Anderson Ranch	34	34	28	38	38	38	36	35	34	34	34	37	38	36
3 Arrowrock Hydro	13	13	11	14	14	14	14	13	13	13	13	14	14	13
4 Ashton	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
5 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
6 Big Cliff	8	8	12	12	17	8	7.1	9	10	12	17	22	22	10
7 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
8 Black Canyon	7.5	7.5	4	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5
9 Bliss	75	75	75	75	75	75	75	75	75	75	75	75	75	75
10 Boise River Diversion	3	3	3	3	0	0	0	0	0	0	3	3	3	3
11 Bonneville Fishway	24	24	24	24	24	24	24	24	24	24	24	24	24	24
12 Calispell Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 Carmen-Smith	41	39	39	33	30	37	33	33	52	62	63	64	60	51
14 Cascade	11	11	10	9.0	8.9	8.8	8.7	8.6	8.5	8.0	8.0	7.7	7.6	9.0
15 Cedar Falls & Newhalem	0	0	30	30	30	30	30	30	30	30	30	30	30	0
16 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6
17 CJ Strike	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18 Clear Lake	3.1	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
19 Cougar	22	20	26	26	25	6.4	4.7	7	8	23	30	30	30	12
20 Cowlitz Falls	12	10	11	16	23	23	13	17	33	48	50	64	66	29
21 Detroit	100	100	100	100	100	100	100	100	100	100	100	106	100	100
22 Dexter	11	11	7	13	18	6	3.8	7	8	10	17	18	18	7
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0
24 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Felt	4.4	4.4	4.6	4.3	4.4	3.9	3.3	3.5	4.2	4.2	4.2	5.9	7.3	5.6
26 Foster	7	7	12	10	8	10	4.6	10	22	23	23	23	24	7
27 Gem State Hydro	20	20	16	13	14	15	15	15	22	22	22	21	21	22
28 Grace	26	26	26	26	26	26	26	26	26	26	26	26	26	26
29 Green Peter	76	76	86	79	61	32	20	5	90	92	92	88	86	55
30 Green Springs - USBR	16	16	15	17	18	18	19	19	18	18	18	18	17	16
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0
32 Hills Creek	10	32	23	25	30	6	6.1	7	8	23	36	36	36	16
33 Hood Street	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
34 Idaho Falls - City Plant	4.9	4.9	3.3	2.1	3.1	4.0	3.1	3.4	4.2	5.3	5.3	6.8	7.1	6.7
35 Idaho Falls - Lower Plant	5.1	5.1	3.4	2.2	3.3	4.2	3.2	3.5	4.4	5.5	5.5	7.5	7.7	7
36 Idaho Falls - Upper Plant	5.2	5.2	3.6	2.4	3.4	4.3	3.4	3.7	4.6	5.6	5.6	7.3	7.4	7.0
37 Island Park	4.5	4.5	4.3	4.1	4.1	3.3	3.3	4.4	4.3	4.6	4.6	4.6	4.6	4.6
38 Jackson	103	103	103	103	103	103	103	103	103	103	103	103	103	103
39 John C Boyle	0	0	82	82	82	82	82	82	82	82	82	82	82	0
40 Lake Creek	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
41 Last Chance	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
42 Leaburg	5.3	4.2	3	0	0	7.1	4	12	12	12	12	12	13	10
43 Lookout Point	89	98	73	124	131	24	17	45	66	61	143	150	151	81
44 Lost Creek	56	56	55	52	51	50	19	50	53	56	56	56	56	56
45 Lower Malad	12	12	11	9.8	9.7	9.6	9.4	9.4	9.2	8.7	8.7	8.3	8.2	9.8
46 Lower Salmon	68	68	68	68	68	68	68	68	68	68	68	68	68	68
47 McNary Fishway	9.9	9.9	9.9	9.8	10.0	9.8	9.7	9.9	9.8	9.9	9.9	9.9	9.8	9.9
48 Mill Creek (WA)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
49 Milner	0	0	0	0	6	10	5	3.4	0	0	0	0	0	0
50 Minidoka	28	28	12	13	13	13	13	14	15	15	15	30	30	30
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	175	175	175	175	175	175	175	175	175	175	175	175	175	175
53 Oneida	30	30	30	30	30	30	30	30	30	30	30	30	30	30
54 Packwood	30	30	30	30	27	30	30	30	30	30	30	30	30	30
55 Palisades	94	78	69	56	19	16	34	28	22	19	19	97	165	162
56 Paris	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
59 Rogue	48	48	47	27	26	28	25	27	40	50	50	51	51	51
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13
61 Shoshone Falls	12	12	12	12	12	12	12	13	12	12	12	12	12	12
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9

Table A-4: Regional Independent Hydro Projects
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
63 Snoq. Electron & Nooksack	71	71	71	71	71	71	71	71	71	71	71	71	71	71
64 Soda Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65 Soda Point Project	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9
67 Stone Creek	7.9	7.1	6.2	5.1	4.1	5.3	4.1	4.6	6.9	9	9	9	9	9
68 Strawberry Creek	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
69 Swan Falls	19	19	16	21	19	19	17	20	18	22	22	16	15	15
70 Swift Creek Hydro	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
71 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
72 Thousand Springs	7.9	7.9	7.2	6.4	6.3	6.2	6.1	6.1	6.0	5.6	5.6	5.4	5.4	6.4
73 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
74 TW Sullivan	14	14	14	14	14	15	15	15	15	15	15	15	15	15
75 Twin Falls	8.0	8.0	8	4.7	11	14	10	9.2	0	0	0	0	0	7.7
76 Upper Malad	7.5	7.5	6.8	6.0	5.9	5.9	5.8	5.8	5.7	5.3	5.3	5.1	5.1	6.0
77 Upper Salmon 1 & 2	21	21	20	22	20	20	20	20	20	23	23	20	20	20
78 Upper Salmon 3 & 4	18	18	18	19	18	18	18	18	18	20	20	18	18	18
79 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
80 Walterville	3.8	3.2	2.6	0	0	5	3.1	8.7	9.5	9.5	9.5	9.5	9.5	7.7
81 West Side (Klamath)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82 Wynochee	4.3	4.3	14	14	13	14	15	14	14	11	11	1.7	1.8	15
83 Yelm	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832
-Total Independent Hydro W/Enc.-														
84 Federal System	630	642	576	636	604	414	354	405	559	609	728	855	921	690
85 Public Entities	262	258	299	289	280	304	293	308	334	335	335	360	352	298
86 Investor-Owned Entities	767	767	835	823	813	823	808	812	819	872	876	902	905	844
87 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88 Total Independent Hydro w/Enc.	1659	1667	1710	1748	1697	1541	1455	1524	1712	1816	1940	2117	2178	1832

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Table A-5
Imports
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-5: Regional Imports
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	169	169	150	150	155	165	173	160	155	142	142	144	160	177
2 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	80	80
3 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
4 Total Imports From ECD	379	379	282	417	455	563	573	495	491	479	479	306	348	387
-Imports From Pacific Southwest-														
5 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
6 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
7 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	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	16	16	16	16	16	16	16	23	0	0
13 RVSD to BPA PkRepl	23	23	23	23	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 SEMP to PSE PwrS	75	75	75	75	75	75	75	75	75	25	25	25	25	75
18 SUISSE to PSE PwrS	50	50	50	50	50	50	50	50	50	50	50	50	50	50
19 WSPP to Other Entities	100	100	100	100	100	100	0	0	0	0	0	0	0	0
20 Total Imports From PSW	248	248	248	248	596	617	517	517	187	103	103	98	75	125
-Imports From Inland Southwest-														
21 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
22 UPL to UPL PwrS	519	519	478	478	484	505	477	490	456	434	434	503	602	635
23 Total Imports From ISW	594	594	553	523	529	550	522	535	502	508	508	578	676	710
-Imports From Canada-														
24 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
26 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
27 PWRX to PSE PwrS	0	0	0	0	0	150	150	150	0	0	0	0	0	0
28 Total Imports From Canada	146	146	146	147	102	274	305	338	213	147	147	147	146	146
-Imports From Other Entities-														
29 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
30 Federal System	229	229	231	336	362	460	462	397	398	429	429	261	184	206
31 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
32 Investor-Owned Entities	727	727	606	606	943	1115	1087	1099	586	512	512	581	759	843
33 Other Entities	269	269	250	250	255	265	173	160	155	142	142	144	160	177
34 Total Imports.	1367	1367	1229	1334	1682	2004	1917	1885	1392	1238	1238	1128	1246	1368

Table A-5: Regional Imports
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	170	170	151	151	156	166	175	162	156	144	144	145	162	179
2 Other Entities to IPC	80	81	0	0	0	0	0	0	0	0	0	0	80	80
3 PPL to BPA PwrS	0	0	0	267	300	398	400	335	336	337	337	162	108	130
4 PPL to BPA PwrS	130	130	132	0	0	0	0	0	0	0	0	0	0	0
5 Total Imports From ECD	380	381	283	418	456	564	575	497	492	481	481	307	350	389
-Imports From Pacific Southwest-														
6 BARC to PSE PwrS	0	0	0	0	75	75	75	75	0	0	0	0	0	0
7 GLEN to PGE S/Pwr/X	0	0	0	0	30	30	30	30	0	0	0	0	0	0
8 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
9 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
13 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 RVSD to BPA S/Pwr/X	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 SEMP to PSE PwrS	75	75	75	75	75	75	75	75	75	25	25	25	25	75
17 SUISSE to PSE PwrS	50	50	50	50	50	50	50	50	50	50	50	50	50	50
18 Total Imports From PSW	125	125	125	125	554	576	576	576	171	87	87	75	75	125
-Imports From Inland Southwest-														
19 SPP to BPA PwrS	0	0	0	45	45	45	45	45	45	75	75	75	75	75
20 SPP to BPA PwrS	75	75	75	0	0	0	0	0	0	0	0	0	0	0
21 UPL to UPL PwrS	524	524	482	482	488	510	481	494	460	437	437	507	607	641
22 Total Imports From ISW	599	599	557	527	533	555	526	539	505	512	512	582	682	716
-Imports From Canada-														
23 BCHP to BPA PwrS	0	0	0	1	1	1	1	1	1	1	1	1	1	1
24 BCHP to BPA PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
26 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
27 PWRX to PSE PwrS	0	0	0	0	0	150	150	150	0	0	0	0	0	0
28 Total Imports From Canada	146	146	146	147	102	274	305	338	213	147	147	147	146	146
-Imports From Other Entities-														
29 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
30 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
31 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
32 Investor-Owned Entities	732	732	610	610	1022	1194	1166	1178	589	516	516	585	765	849
33 Other Entities	170	170	151	151	156	166	175	162	156	144	144	145	162	179
34 Total Imports.	1250	1251	1111	1216	1646	1969	1982	1950	1381	1227	1227	1111	1253	1376

Table A-5: Regional Imports
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	172	172	153	152	157	168	176	164	158	145	145	147	164	181
2 Other Entities to IPC	80	80	0	0	0	0	0	0	0	0	0	0	0	0
3 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
4 Total Imports From ECD	382	382	285	419	457	566	576	499	494	482	482	309	272	311
-Imports From Pacific Southwest-														
5 BARC to PSE PwrS	0	0	0	0	75	75	75	75	0	0	0	0	0	0
6 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
7 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	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 S/Pwr/X	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 SEMP to PSE PwrS	75	75	75	75	75	75	75	75	75	0	0	0	0	0
15 SUISSE to PSE PwrS	50	50	50	50	50	50	50	50	50	0	0	0	0	0
16 Total Imports From PSW	125	125	125	125	524	546	546	546	171	12	12	0	0	0
-Imports From Inland Southwest-														
17 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
18 UPL to UPL PwrS	528	528	486	486	492	514	485	498	464	440	440	511	613	647
19 Total Imports From ISW	603	603	561	531	537	559	530	543	509	515	515	586	688	722
-Imports From Canada-														
20 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
22 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
23 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
24 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
25 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
26 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
27 Investor-Owned Entities	736	736	614	614	996	1018	990	1002	593	444	444	514	615	650
28 Other Entities	172	172	153	152	157	168	176	164	158	145	145	147	164	181
29 Total Imports.	1257	1257	1117	1222	1621	1795	1807	1775	1387	1157	1157	1042	1106	1180

Table A-5: Regional Imports
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	175	175	155	154	159	170	178	165	159	147	147	148	166	184
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	305	305	287	421	459	568	578	500	495	484	484	310	274	314
-Imports From Pacific Southwest-														
4 BARC to PSE PwrS	0	0	0	0	75	75	75	75	0	0	0	0	0	0
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
10 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Imports From PSW	0	0	0	0	400	421	421	421	46	12	12	0	0	0
-Imports From Inland Southwest-														
14 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
15 UPL to UPL PwrS	533	533	490	490	496	518	489	502	468	444	444	516	618	653
16 Total Imports From ISW	608	608	565	535	541	564	534	547	513	519	519	591	693	728
-Imports From Canada-														
17 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
19 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
20 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
21 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
22 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
23 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
24 Investor-Owned Entities	536	536	493	493	875	898	869	882	472	448	448	519	621	656
25 Other Entities	175	175	155	154	159	170	178	165	159	147	147	148	166	184
26 Total Imports.	1059	1059	998	1102	1502	1676	1688	1656	1267	1162	1162	1047	1114	1188

Table A-5: Regional Imports
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	177	177	157	155	160	171	180	167	161	148	148	150	169	186
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	307	307	289	422	460	569	580	502	497	485	485	312	277	316
-Imports From Pacific Southwest-														
4 BARC to PSE PwrS	0	0	0	0	75	75	75	75	0	0	0	0	0	0
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
6 PASA to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PASA to BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PASA to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
10 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Total Imports From PSW	0	0	0	0	400	421	421	421	46	12	12	0	0	0
-Imports From Inland Southwest-														
14 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
15 UPL to UPL PwrS	538	538	494	494	500	523	494	507	472	447	447	520	624	660
16 Total Imports From ISW	612	612	569	539	545	568	538	552	517	522	522	595	699	734
-Imports From Canada-														
17 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
19 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
20 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
21 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
22 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
23 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
24 Investor-Owned Entities	540	540	497	497	880	902	874	886	476	451	451	523	627	662
25 Other Entities	177	177	157	155	160	171	180	167	161	148	148	150	169	186
26 Total Imports.	1066	1066	1004	1108	1508	1682	1694	1662	1272	1166	1166	1053	1122	1197

Table A-5: Regional Imports
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	179	179	159	156	162	173	181	168	162	149	149	151	171	189
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	309	309	291	423	462	571	581	503	498	486	486	313	279	319
-Imports From Pacific Southwest-														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
6 RVSD to BPA XchgNrg	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 RVSD to BPA S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 RVSD to BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Total Imports From PSW	0	0	0	0	324	346	346	346	46	12	12	0	0	0
-Imports From Inland Southwest-														
10 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
11 UPL to UPL PwrS	542	542	498	498	504	528	498	511	476	451	451	525	630	666
12 Total Imports From ISW	617	617	573	543	550	572	543	556	520	526	526	600	705	741
-Imports From Canada-														
13 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
15 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
16 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
17 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
18 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
19 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
20 Investor-Owned Entities	545	545	501	502	809	832	803	815	480	455	455	528	632	668
21 Other Entities	179	179	159	156	162	173	181	168	162	149	149	151	171	189
22 Total Imports.	1073	1073	1010	1113	1438	1613	1625	1593	1278	1171	1171	1059	1130	1206

Table A-5: Regional Imports
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	182	182	161	158	163	175	183	170	164	151	151	153	173	191
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	312	312	293	425	463	573	583	505	500	488	488	315	281	321
-Imports From Pacific Southwest-														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
6 Total Imports From PSW	0	0	0	0	324	346	346	346	46	12	12	0	0	0
-Imports From Inland Southwest-														
7 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75
8 UPL to UPL PwrS	547	547	502	502	509	532	502	515	479	455	455	529	636	672
9 Total Imports From ISW	622	622	577	547	554	577	547	560	524	530	530	604	711	747
-Imports From Canada-														
10 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
12 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
13 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
14 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
15 Federal System	206	206	208	313	346	444	446	381	382	413	413	238	184	206
16 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
17 Investor-Owned Entities	550	550	505	506	813	836	807	820	483	458	458	532	638	675
18 Other Entities	182	182	161	158	163	175	183	170	164	151	151	153	173	191
19 Total Imports.	1080	1080	1017	1119	1444	1619	1631	1599	1283	1177	1177	1065	1138	1215

Table A-5: Regional Imports
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	183	183	162	159	165	176	185	171	165	152	152	154	175	193
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	313	313	294	426	465	574	585	506	501	489	489	316	283	323
-Imports From Pacific Southwest-														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
6 Total Imports From PSW	0	0	0	0	324	346	346	346	46	12	12	0	0	0
-Imports From Inland Southwest-														
7 SPP to BPA PwrS	75	75	75	45	45	45	45	45	0	0	0	0	0	0
8 UPL to UPL PwrS	552	552	507	506	513	537	506	520	483	458	458	534	642	678
9 Total Imports From ISW	627	627	582	552	558	582	551	565	483	458	458	534	642	678
-Imports From Canada-														
10 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
12 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
13 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
14 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
15 Federal System	206	206	208	313	346	444	446	381	337	338	338	163	109	131
16 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
17 Investor-Owned Entities	555	555	509	510	817	841	811	824	487	462	462	537	644	681
18 Other Entities	183	183	162	159	165	176	185	171	165	152	152	154	175	193
19 Total Imports.	1086	1086	1022	1125	1450	1625	1637	1605	1244	1107	1107	996	1070	1148

Table A-5: Regional Imports
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	185	185	164	161	166	178	186	173	167	153	153	155	176	195
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	315	315	296	428	466	576	586	508	503	490	490	317	284	325
-Imports From Pacific Southwest-														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
6 Total Imports From PSW	0	0	0	0	324	346	346	346	46	12	12	0	0	0
-Imports From Inland Southwest-														
7 UPL to UPL PwrS	557	557	511	511	518	541	510	524	488	462	462	538	648	685
8 Total Imports From ISW	557	557	511	511	518	541	510	524	488	462	462	538	648	685
-Imports From Canada-														
9 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
11 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
12 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
13 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
14 Federal System	131	131	133	268	301	399	401	336	337	338	338	163	109	131
15 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
16 Investor-Owned Entities	560	560	514	514	822	846	816	828	492	466	466	542	650	688
17 Other Entities	185	185	164	161	166	178	186	173	167	153	153	155	176	195
18 Total Imports.	1018	1018	953	1086	1411	1587	1598	1566	1249	1112	1112	1002	1078	1156

Table A-5: Regional Imports
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Imports From East of Continental Divide-														
1 ECDMktr to Other Entities	186	186	165	162	168	179	188	174	168	155	155	156	178	196
2 PPL to BPA PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
3 Total Imports From ECD	316	316	297	429	468	577	588	509	504	492	492	318	286	326
-Imports From Pacific Southwest-														
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	46	46	46	46	12	12	0	0	0
5 PG&E to PSE S/Pwr/X	0	0	0	0	300	300	300	300	0	0	0	0	0	0
6 Total Imports From PSW	0	0	0	0	324	346	346	346	46	12	12	0	0	0
-Imports From Inland Southwest-														
7 UPL to UPL PwrS	562	562	515	515	522	546	515	529	492	466	466	543	654	692
8 Total Imports From ISW	562	562	515	515	522	546	515	529	492	466	466	543	654	692
-Imports From Canada-														
9 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 BCHP to SCL PwrS	142	142	142	142	97	118	149	182	208	142	142	142	142	142
11 Other Entities to PSE	2.8	2.8	2.8	3.5	4.3	4.4	5	4.3	4	3.7	3.7	3.1	2.6	2.7
12 Total Imports From Canada	146	146	146	147	102	124	155	188	213	147	147	147	146	146
-Imports From Other Entities-														
13 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Imports-														
14 Federal System	131	131	133	268	301	399	401	336	337	338	338	163	109	131
15 Public Entities	142	142	142	142	122	164	195	228	254	154	154	142	142	142
16 Investor-Owned Entities	564	564	518	519	826	851	820	833	496	470	470	546	656	694
17 Other Entities	186	186	165	162	168	179	188	174	168	155	155	156	178	196
18 Total Imports.	1024	1024	959	1091	1417	1593	1604	1572	1255	1117	1117	1008	1086	1164

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Table A-6
Small Thermal & Miscellaneous
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
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
-Public Entities-														
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
6 Crystal Mountain	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
7 J.E. Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Investor-Owned Entities	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
-Other Entities-														
9 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Small Thermal and Miscellaneous-														
10 Federal System	30	30	30	30	30	30	30	30	30	30	30	30	30	30
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	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
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Small Termal & Misc.	32	32	32	32	32	32	32	32	32	32	32	32	32	32

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Table A-7
Combustion Turbines
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	0	0	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	195	195	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	487	487	494	504	514	521	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	271	267	264
26 Mill Creek Gas Turbines (MT)	0	0	0	0	0	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3826	3826	3878	3964	4031	4225	4225	4194	4162	4117	4034	3677	3514	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	195	195	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3826	3826	3878	3964	4031	4225	4225	4194	4162	4117	4034	3677	3514	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5064	5064	5333	5437	5510	5705	5705	5673	5636	5485	5402	3866	4873	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	0	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3514	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3514	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	271	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3677	3514	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3677	3514	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	9.3	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	0	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3523	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3523	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4882	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	271	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3677	3514	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3677	3514	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3866	4873	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	158	156	155	153	153	150	146	145
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	0	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	159	157	155	153	153	150	148	145
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3514	3963
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	4225	4194	4162	4117	4034	3406	3514	3963
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5705	5673	5636	5485	5402	3595	4873	5407

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson 1&2	144	144	147	151	155	158	0	0	0	0	0	0	0	0
20 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
21 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
22 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
23 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
24 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	9.3	9.6
25 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	271	267	264
26 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
27 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
28 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
29 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
30 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
31 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
32 Whitehorn 2 & 3	145	145	148	152	155	158	0	0	0	0	0	0	0	0
33 Total Investor-Owned Entities	3966	3966	4018	4104	4171	4215	3908	3881	3852	3812	3729	3377	3229	3673
-Other Enities-														
34 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
35 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 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
37 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
38 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
42 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
43 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
45 Investor-Owned Entities	3966	3966	4018	4104	4171	4215	3908	3881	3852	3812	3729	3377	3229	3673
46 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
47 Total Combustion Turbines	5409	5409	5473	5577	5650	5695	5388	5361	5326	5180	5096	3566	4588	5116

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	0	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
20 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
21 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
22 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
23 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	9.3	9.6
24 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	0	267	264
25 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
26 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
27 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
28 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
29 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
30 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
31 Total Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3106	3229	3673
-Other Enities-														
32 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 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
35 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
36 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
40 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
41 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Public Entities	400	400	411	429	436	437	437	436	430	424	424	143	416	400
43 Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3106	3229	3673
44 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
45 Total Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3295	4588	5116

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	44	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	187	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
20 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
21 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
22 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
23 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
24 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	271	267	264
25 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
26 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
27 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
28 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
29 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
30 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
31 Total Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3377	3220	3673
-Other Enities-														
32 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 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
35 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
36 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
40 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
41 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Public Entities	400	400	411	429	436	437	437	436	430	424	424	187	416	400
43 Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3377	3220	3673
44 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
45 Total Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3610	4579	5116

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
2 Boundary CT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 Finley CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Frederickson CT	133	133	134	137	139	140	140	139	139	138	138	136	134	133
5 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
6 Pasco Harbor Generating Station	44	44	44	44	44	44	44	44	44	44	44	44	44	44
7 River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205
8 Wauna Peaking Project (Loki)	11	11	11	11	11	11	11	11	11	11	11	0	11	11
9 Total Public Entities	400	400	411	429	436	437	437	436	430	424	424	187	416	400
-Investor-Owned Entities-														
10 Basin Creek Project	50	50	50	50	50	50	50	50	50	50	50	50	50	50
11 Beaver	477	477	484	494	504	511	511	508	504	498	498	491	484	477
12 Beaver 8	24	24	24	24	24	24	24	24	24	24	24	24	24	24
13 Bennett Mountain	168	168	170	175	177	178	180	178	176	174	174	172	168	165
14 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	25	25
15 Chehalis Generation Facility CCCT	484	484	490	500	509	513	514	511	508	503	503	496	0	484
16 Danskin 1	87	87	88	89	91	92	93	92	90	88	88	88	87	86
17 Danskin 2	168	168	170	175	177	178	180	178	176	174	174	172	168	165
18 Encogen	167	167	170	175	179	182	183	181	179	176	176	173	170	167
19 Frederickson CT	133	133	134	136	138	139	139	139	138	137	137	136	134	133
20 Fredonia 1&2	200	200	203	209	214	217	218	215	213	210	210	206	203	200
21 Fredonia 3&4	109	109	110	114	118	120	121	119	117	115	115	113	110	109
22 Goldendale Energy Center	271	271	277	283	289	292	291	289	286	284	284	279	275	271
23 Kettle Falls (CT)	9.6	9.6	9.6	10	10	11	11	11	11	10.0	10.0	10.0	0	9.6
24 Lancaster Power Project (Rathdrum)	264	264	270	275	279	280	281	279	277	275	275	0	267	264
25 Mill Creek Gas Turbines (MT)	150	150	150	150	150	150	150	150	150	150	150	150	150	150
26 Mint Farm Energy Center	293	293	296	302	306	307	307	306	305	303	303	300	297	294
27 Northeastern 1 & 2	53	53	53	59	59	62	62	62	62	56	56	56	56	53
28 Port Westward CCCT	379	379	385	391	396	401	402	399	395	393	393	0	386	381
29 Rathdrum -Boekel Rd. #2	83	83	83	83	83	83	83	83	83	83	83	83	83	83
30 Rathdrum- Boekel Rd. #1	83	83	83	83	83	83	83	83	83	83	0	83	83	83
31 Total Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3106	3220	3673
-Other Enities-														
32 Big Hanaford CCCT	248	248	248	248	248	248	248	248	248	248	248	0	248	248
33 Chehalis Generation Facility CCCT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 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
35 Klamath Peaking Unit	100	100	100	100	100	100	100	100	100	0	0	0	0	100
36 Lancaster Power Project (Rathdrum)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Longview Fibre CT	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 Mint Farm Energy Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Satsop	650	650	650	650	650	650	650	650	650	650	650	0	650	650
40 Total Other Enities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
-Combustion Turbines-														
41 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Public Entities	400	400	411	429	436	437	437	436	430	424	424	187	416	400
43 Investor-Owned Entities	3676	3676	3724	3801	3860	3899	3908	3881	3852	3812	3729	3106	3220	3673
44 Other Entities	1043	1043	1043	1043	1043	1043	1043	1043	1043	943	943	45	943	1043
45 Total Combustion Turbines	5119	5119	5179	5274	5339	5379	5388	5361	5326	5180	5096	3339	4579	5116

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Table A-8
Renewable Resources
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	0	0	0	0	0	0	0	0	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	27	27	27	27	27	27	27	27	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	27	27	27	27	27	27	27	27	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	74	74	74	74	74	74	74	74	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-8: Regional Renewable Resources
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Condon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klondike I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
9 Barr-Tech Bio-Park	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 Big Horn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Coffin Butte	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
12 Coffin Butte II	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
13 Columbia Ridge Landfill	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
14 Eurus Combine Hills II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Flathead County Landfill	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
16 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Harvest Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Nine Canyon Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Pebble Springs Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Roosevelt Landfill (H.W. Hill)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
23 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
24 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Wheatfield Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Windy Flats I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Windy Flats II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Windy Point - Tuolumne Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
-Investor-Owned Entities-														
33 Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Biglow Canyon Phase I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Biglow Canyon Phase II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Biglow Canyon Phase III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Elkhorn Valley Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Eurus Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Hopkins Ridge II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Horseshoe Bend Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Kettle Falls (biomass)	47	47	47	47	47	47	47	47	47	47	47	47	47	47
49 Klondike II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Marengo I Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Marengo II Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Oregon Wind Farm I (Echo I)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 Oregon Wind Farm II (Echo II)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Rock River I Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Vansycle Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Wild Horse I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Wild Horse II	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64 Total Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Other Entities-														
65 Klondike III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66 Klondike IIIa	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Star Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68 Stateline Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 Willow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Renewable Resources-														
72 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Public Entities	29	29	29	29	29	29	29	29	29	29	29	29	29	29
74 Investor-Owned Entities	47	47	47	47	47	47	47	47	47	47	47	47	47	47
75 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76 Total Renewable Resources	76	76	76	76	76	76	76	76	76	76	76	76	76	76

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Table A-9
Cogeneration
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
2 Total Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	472	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	1380	903	1083	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1315	1315	1315	1315	1315	1315	1315	1315	685	1315	1315	1315	1315	1315
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
34 Public Entities	154	154	154	154	154	154	154	154	154	154	154	154	154	154
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	1380	903	1083	1356
36 Other Entities	1315	1315	1315	1315	1315	1315	1315	1315	685	1315	1315	1315	1315	1315
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2391	2566	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
2 Total Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	30	30	30	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	154	154	154	124	124	124	124	124	124	124	124	124	124	124
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	0	284	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	472	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	1380	619	1367	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	0	0	0	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1315	1315	1315	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
34 Public Entities	154	154	154	124	124	124	124	124	124	124	124	124	124	124
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	1380	619	1367	1356
36 Other Entities	1315	1315	1315	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2872	2107	2850	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
2 Total Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	124	124	124	124	124	124	124	124	124	124	124	124	124	124
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	0	0	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
34 Public Entities	124	124	124	124	124	124	124	124	124	124	124	124	124	124
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
36 Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
2 Total Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	124	124	124	124	124	124	124	124	124	124	124	124	124	124
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	0	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
34 Public Entities	124	124	124	124	124	124	124	124	124	124	124	124	124	124
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
36 Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1345	1345	1345	1345	1345
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
2 Total Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	0	0	0	0	0
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	124	124	124	124	124	124	124	124	124	102	102	102	102	102
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	0	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	22	22	22	22	22
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1367	1367	1367	1367	1367
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	22	22	19	14	18
34 Public Entities	124	124	124	124	124	124	124	124	124	102	102	102	102	102
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
36 Other Entities	1345	1345	1345	1345	1345	1345	1345	1345	715	1367	1367	1367	1367	1367
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2872	2400	2391	2566	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	0	0	0	0	0
2 Total Federal System	12	12	14	18	20	23	24	23	23	0	0	0	0	0
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	102	102	102	102	102	102	102	102	102	102	102	102	102	102
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	0	0	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	22	22	19	14	18
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1367	1367	1367	1367	1367	1367	1367	1367	737	1389	1389	1386	1382	1385
-Cogeneration-														
33 Federal System	12	12	14	18	20	23	24	23	23	0	0	0	0	0
34 Public Entities	102	102	102	102	102	102	102	102	102	102	102	102	102	102
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
36 Other Entities	1367	1367	1367	1367	1367	1367	1367	1367	737	1389	1389	1386	1382	1385
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2896	2890	2255	2400	2400	2391	2566	2844

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 Hampton Lumber Mill (Darrington)	3.5	3.5	3.5	3.5	3.5	3.5	0	0	0	0	0	0	0	0
5 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
10 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
11 Total Public Entities	102	102	102	102	102	102	98	98	98	98	98	98	98	98
-Investor_Owned Entities-														
12 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
13 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	0	284	284	279
14 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	0	472	472	472
16 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
17 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
18 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
19 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	624	903	1367	1356
-Other Entities-														
20 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
22 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
23 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
24 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
25 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
26 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
27 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
28 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
30 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
32 Total Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
-Cogeneration-														
33 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Public Entities	102	102	102	102	102	102	98	98	98	98	98	98	98	98
35 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	624	903	1367	1356
36 Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
37 Total Cogeneration	2838	2838	2847	2870	2880	2893	2892	2887	2251	2868	2112	2388	2847	2840

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
9 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
10 Total Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
-Investor_Owned Entities-														
11 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
12 Coyote Springs #2	279	279	279	288	288	291	291	291	291	0	0	284	284	279
13 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
16 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
17 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1096	624	903	1367	1356
-Other Entities-														
19 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
21 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
22 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
23 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
24 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
25 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
26 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
27 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
29 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
31 Total Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
-Cogeneration-														
32 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
34 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1096	624	903	1367	1356
35 Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
36 Total Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2584	2112	2388	2847	2840

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
9 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
10 Total Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
-Investor_Owned Entities-														
11 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
12 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
13 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	0	0	472	472	472
15 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
16 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
17 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
-Other Entities-														
19 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
21 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
22 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
23 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
24 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
25 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
26 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
27 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
29 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
31 Total Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
-Cogeneration-														
32 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
34 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	908	908	903	1083	1356
35 Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
36 Total Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2396	2396	2388	2563	2840

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal System-														
1 Georgia-Pacific Paper (Wauna)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Public Entities-														
3 Grays Harbor Paper (Grays Harbor Paper)	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 IP Energy Center (formerly WEYCO)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Klamath Cogneration Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Longview Fibre Cogen 1-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Sierra Pacific Aberdeen (Sierra Pacific)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Sierra Pacific Burlington	28	28	28	28	28	28	28	28	28	28	28	28	28	28
9 Simpson Tacoma CoGen	55	55	55	55	55	55	55	55	55	55	55	55	55	55
10 Total Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
-Investor_Owned Entities-														
11 Coyote Springs #1	217	217	222	230	236	241	242	239	235	230	230	0	220	216
12 Coyote Springs #2	279	279	279	288	288	291	291	291	291	284	284	284	0	279
13 Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Hermiston Cogeneration	472	472	472	472	472	472	472	472	472	472	0	472	472	472
15 Sumas Energy	132	132	133	136	138	140	140	139	138	137	137	135	133	132
16 Tenaska Gas Cogen	245	245	245	245	245	245	245	245	245	245	245	0	245	245
17 Thompson River Co-Gen	12	12	12	12	12	12	12	12	12	12	12	12	12	12
18 Total Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
-Other Entities-														
19 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Georgia Pacific Toledo	24	24	24	24	24	24	24	24	24	24	24	24	24	24
21 Georgia-Pacific Paper (Wauna)	12	12	14	18	20	23	24	23	23	22	22	19	14	18
22 Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
23 IP Energy Center (formerly WEYCO)	22	22	22	22	22	22	22	22	22	22	22	22	22	22
24 Klamath Cogneration Project	484	484	484	484	484	484	484	484	484	484	484	484	484	484
25 Longview Fibre Cogen 1-7	30	30	30	30	30	30	30	30	30	30	30	30	30	30
26 Sierra Pacific Aberdeen (Sierra Pacific)	15	15	15	15	15	15	15	15	15	15	15	15	15	15
27 Simpson Tacoma CoGen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
29 Wah Chang (Albany, OR)	14	14	14	14	14	14	14	14	14	14	14	14	14	14
30 Weyerhaeuser Longview (Weyerhaeuser)	44	44	44	44	44	44	44	44	44	44	44	44	44	44
31 Total Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
-Cogeneration-														
32 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Public Entities	98	98	98	98	98	98	98	98	98	98	98	98	98	98
34 Investor-Owned Entities	1356	1356	1363	1382	1391	1401	1402	1398	1393	1380	908	903	1083	1356
35 Other Entities	1380	1380	1382	1386	1387	1390	1391	1390	760	1389	1389	1386	1382	1385
36 Total Cogeneration	2835	2835	2844	2866	2877	2890	2892	2887	2251	2868	2396	2388	2563	2840

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Table A-10
Large Thermal
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	0	0	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	0	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	0	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	0	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5196	5286	5866	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	0	0	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	0	0	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	0	0	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	0	0	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	0	0	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	0	0	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	3728	3728	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5746	6996	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	0	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	0	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	0	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3938	3416	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	0	0	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	0	0	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	0	0	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	0	0	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	0	0	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	0	0	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	3728	3728	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	4616	5866	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	0	0	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3938	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	5796	6416	6996	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	0	0	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	0	0	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6326	6326	5286	5866	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	0	0	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	0	0	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	0	0	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	0	0	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	0	0	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	0	0	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
-Jim Bridger #1: 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 #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	0	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	3728	3728	3416	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	5216	6996	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3946	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5866	6996

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Boardman: Coal-														
1 Idaho Power Company	58	58	58	58	58	58	58	58	58	58	58	0	58	58
2 Portland General Electric	378	378	378	378	378	378	378	378	378	378	378	0	378	378
3 San Diego Gas & Electric	86	86	86	86	86	86	86	86	86	86	86	0	86	86
4 Turlock Irrigation District	58	58	58	58	58	58	58	58	58	58	58	0	58	58
5 Boardman: Regional Total	580	580	580	580	580	580	580	580	580	580	580	0	580	580
-Centralia #1: Coal-														
6 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	0	670	670
7 Centralia #1: Regional Total	670	670	670	670	670	670	670	670	670	670	670	0	670	670
-Centralia #2: Coal-														
8 TransAlta Energy Marketing	670	670	670	670	670	670	670	670	670	670	670	670	670	670
9 Centralia #2: Regional Total	670	670	670	670	670	670	670	670	670	670	670	670	670	670
-Colstrip #1: Coal-														
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
12 Colstrip #1: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #2: Coal-														
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	154	154	154	154	154	154	154	154	154	154	154	154	154	154
15 Colstrip #2: Regional Total	154	154	154	154	154	154	154	154	154	154	154	154	154	154
-Colstrip #3: Coal-														
16 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
19 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
20 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
21 Colstrip #3: Regional Total	518	518	518	518	518	518	518	518	518	518	518	518	518	518
-Colstrip #4: Coal-														
22 Avista Corp (WWP Division)	111	111	111	111	111	111	111	111	111	111	111	111	111	111
23 Northwestern Energy LLC (MPC)	222	222	222	222	222	222	222	222	222	222	222	222	222	222
24 Pacific Power	74	74	74	74	74	74	74	74	74	74	74	74	74	74
25 Portland General Electric	148	148	148	148	148	148	148	148	148	148	148	148	148	148
26 Puget Sound Energy	185	185	185	185	185	185	185	185	185	185	185	185	185	185
27 Colstrip #4: Regional Total	740	740	740	740	740	740	740	740	740	740	740	740	740	740
-Columbia Generating Station: Uranium-														
28 BPA - Power Business	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
29 Columbia Generating Station: Regional Total	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
-Jim Bridger #1: Coal-														
30 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	0	0	177	177
31 Pacific Power	353	353	353	353	353	353	353	353	353	353	0	0	353	353
32 Jim Bridger #1: Regional Total	530	530	530	530	530	530	530	530	530	530	0	0	530	530
-Jim Bridger #2: Coal-														
33 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
34 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
35 Jim Bridger #2: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Jim Bridger #3: Coal-														
36 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
37 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
38 Jim Bridger #3: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Jim Bridger #4: Coal-														
39 Idaho Power Company	177	177	177	177	177	177	177	177	177	177	177	177	177	177
40 Pacific Power	353	353	353	353	353	353	353	353	353	353	353	353	353	353
41 Jim Bridger #4: Regional Total	530	530	530	530	530	530	530	530	530	530	530	530	530	530
-Valmy #1: Coal-														
42 Idaho Power Company	127	127	127	127	127	127	127	127	127	127	127	127	127	127
43 Valmy #1: Regional Total	127	127	127	127	127	127	127	127	127	127	127	127	127	127
-Valmy #2: Coal-														
44 Idaho Power Company	134	134	134	134	134	134	134	134	134	134	134	134	134	134
45 Valmy #2: Regional Total	134	134	134	134	134	134	134	134	134	134	134	134	134	134
-Total Large Thermal-														
46 Federal System	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
47 Public Entities	58	58	58	58	58	58	58	58	58	58	58	0	58	58
48 Investor-Owned Entities	4468	4468	4468	4468	4468	4468	4468	4468	4468	4468	3938	3416	4468	4468
49 Other Entities	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6466	5216	6996	6996

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Table A-15
Canadian Entitlement Return for Canada
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	53	53	53	53	53	53	53	53	53	53	53	53	53	53
3 Priest Rapids: Regional Totals	53	53	53	53	53	53	53	53	53	53	53	53	53	53
-Wanapum CER for Canada-														
4 GCPD to BPA	51	51	51	51	51	51	51	51	51	51	51	51	51	51
5 Wanapum: Regional Totals	51	51	51	51	51	51	51	51	51	51	51	51	51	51
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	20	20	20	20	20	20	20	20	20	20	20	20	20	20
7 Rock Island P.H. #1: Regional Totals	20	20	20	20	20	20	20	20	20	20	20	20	20	20
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
9 Rock Island P.H. #2: Regional Totals	13	13	13	13	13	13	13	13	13	13	13	13	13	13
-Rocky Reach CER for Canada-														
10 CHPD to BPA	67	67	67	67	67	67	67	67	67	68	68	68	68	68
11 Rocky Reach: Regional Totals	67	67	67	67	67	67	67	67	67	68	68	68	68	68
-Wells CER for Canada-														
12 DOPD to BPA	43	43	43	43	43	43	43	43	43	44	44	44	44	44
13 Wells: Regional Totals	43	43	43	43	43	43	43	43	43	44	44	44	44	44
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	247	247	247	247	247	247	247	247	247	249	249	249	249	249
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	247	247	247	247	247	247	247	247	247	249	249	249	249	249

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	53	53	53	53	53	53	53	53	53	52	52	52	52	52
3 Priest Rapids: Regional Totals	53	53	53	53	53	53	53	53	53	52	52	52	52	52
-Wanapum CER for Canada-														
4 GCPD to BPA	51	51	51	51	51	51	51	51	51	50	50	50	50	50
5 Wanapum: Regional Totals	51	51	51	51	51	51	51	51	51	50	50	50	50	50
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	20	20	20	20	20	20	20	20	20	20	20	20	20	20
7 Rock Island P.H. #1: Regional Totals	20	20	20	20	20	20	20	20	20	20	20	20	20	20
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	13	13	13	13	13	13	13	13	13	13	13	13	13	13
9 Rock Island P.H. #2: Regional Totals	13	13	13	13	13	13	13	13	13	13	13	13	13	13
-Rocky Reach CER for Canada-														
10 CHPD to BPA	68	68	68	68	68	68	68	68	68	67	67	67	67	67
11 Rocky Reach: Regional Totals	68	68	68	68	68	68	68	68	68	67	67	67	67	67
-Wells CER for Canada-														
12 DOPD to BPA	44	44	44	44	44	44	44	44	44	43	43	43	43	43
13 Wells: Regional Totals	44	44	44	44	44	44	44	44	44	43	43	43	43	43
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	249	249	249	249	249	249	249	249	249	245	245	245	245	245
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	249	249	249	249	249	249	249	249	249	245	245	245	245	245

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	52	52	52	52	52	52	52	52	52	51	51	51	51	51
3 Priest Rapids: Regional Totals	52	52	52	52	52	52	52	52	52	51	51	51	51	51
-Wanapum CER for Canada-														
4 GCPD to BPA	50	50	50	50	50	50	50	50	50	49	49	49	49	49
5 Wanapum: Regional Totals	50	50	50	50	50	50	50	50	50	49	49	49	49	49
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	20	20	20	20	20	20	20	20	20	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	20	20	20	20	20	20	20	20	20	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	13	13	13	13	13	13	13	13	13	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	13	13	13	13	13	13	13	13	13	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	67	67	67	67	67	67	67	67	67	66	66	66	66	66
11 Rocky Reach: Regional Totals	67	67	67	67	67	67	67	67	67	66	66	66	66	66
-Wells CER for Canada-														
12 DOPD to BPA	43	43	43	43	43	43	43	43	43	42	42	42	42	42
13 Wells: Regional Totals	43	43	43	43	43	43	43	43	43	42	42	42	42	42
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	245	245	245	245	245	245	245	245	245	239	239	239	239	239
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	245	245	245	245	245	245	245	245	245	239	239	239	239	239

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	51	51	51	51	51	51	51	51	51	51	51	51	51	51
3 Priest Rapids: Regional Totals	51	51	51	51	51	51	51	51	51	51	51	51	51	51
-Wanapum CER for Canada-														
4 GCPD to BPA	49	49	49	49	49	49	49	49	49	49	49	49	49	49
5 Wanapum: Regional Totals	49	49	49	49	49	49	49	49	49	49	49	49	49	49
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	66	66	66	66	66	66	66	66	66	65	65	65	65	65
11 Rocky Reach: Regional Totals	66	66	66	66	66	66	66	66	66	65	65	65	65	65
-Wells CER for Canada-														
12 DOPD to BPA	42	42	42	42	42	42	42	42	42	42	42	42	42	42
13 Wells: Regional Totals	42	42	42	42	42	42	42	42	42	42	42	42	42	42
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	239	239	239	239	239	239	239	239	239	238	238	238	238	238
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	239	239	239	239	239	239	239	239	239	238	238	238	238	238

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	51	51	51	51	51	51	51	51	51	51	51	51	51	51
3 Priest Rapids: Regional Totals	51	51	51	51	51	51	51	51	51	51	51	51	51	51
-Wanapum CER for Canada-														
4 GCPD to BPA	49	49	49	49	49	49	49	49	49	49	49	49	49	49
5 Wanapum: Regional Totals	49	49	49	49	49	49	49	49	49	49	49	49	49	49
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	65	65	65	65	65	65	65	65	65	65	65	65	65	65
11 Rocky Reach: Regional Totals	65	65	65	65	65	65	65	65	65	65	65	65	65	65
-Wells CER for Canada-														
12 DOPD to BPA	42	42	42	42	42	42	42	42	42	41	41	41	41	41
13 Wells: Regional Totals	42	42	42	42	42	42	42	42	42	41	41	41	41	41
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	238	238	238	238	238	238	238	238	238	237	237	237	237	237
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	238	238	238	238	238	238	238	238	238	237	237	237	237	237

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	51	51	51	51	51	51	51	51	51	50	50	50	50	50
3 Priest Rapids: Regional Totals	51	51	51	51	51	51	51	51	51	50	50	50	50	50
-Wanapum CER for Canada-														
4 GCPD to BPA	49	49	49	49	49	49	49	49	49	49	49	49	49	49
5 Wanapum: Regional Totals	49	49	49	49	49	49	49	49	49	49	49	49	49	49
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	65	65	65	65	65	65	65	65	65	64	64	64	64	64
11 Rocky Reach: Regional Totals	65	65	65	65	65	65	65	65	65	64	64	64	64	64
-Wells CER for Canada-														
12 DOPD to BPA	41	41	41	41	41	41	41	41	41	41	41	41	41	41
13 Wells: Regional Totals	41	41	41	41	41	41	41	41	41	41	41	41	41	41
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	237	237	237	237	237	237	237	237	237	235	235	235	235	235
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	237	237	237	237	237	237	237	237	237	235	235	235	235	235

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	50	50	50	50	50	50	50	50	50	50	50	50	50	50
3 Priest Rapids: Regional Totals	50	50	50	50	50	50	50	50	50	50	50	50	50	50
-Wanapum CER for Canada-														
4 GCPD to BPA	49	49	49	49	49	49	49	49	49	48	48	48	48	48
5 Wanapum: Regional Totals	49	49	49	49	49	49	49	49	49	48	48	48	48	48
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	64	64	64	64	64	64	64	64	64	64	64	64	64	64
11 Rocky Reach: Regional Totals	64	64	64	64	64	64	64	64	64	64	64	64	64	64
-Wells CER for Canada-														
12 DOPD to BPA	41	41	41	41	41	41	41	41	41	41	41	41	41	41
13 Wells: Regional Totals	41	41	41	41	41	41	41	41	41	41	41	41	41	41
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	235	235	235	235	235	235	235	235	235	234	234	234	234	234
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	235	235	235	235	235	235	235	235	235	234	234	234	234	234

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	50	50	50	50	50	50	50	50	50	49	49	49	49	49
3 Priest Rapids: Regional Totals	50	50	50	50	50	50	50	50	50	49	49	49	49	49
-Wanapum CER for Canada-														
4 GCPD to BPA	48	48	48	48	48	48	48	48	48	48	48	48	48	48
5 Wanapum: Regional Totals	48	48	48	48	48	48	48	48	48	48	48	48	48	48
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	19	19	19	19	19
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	64	64	64	64	64	64	64	64	64	63	63	63	63	63
11 Rocky Reach: Regional Totals	64	64	64	64	64	64	64	64	64	63	63	63	63	63
-Wells CER for Canada-														
12 DOPD to BPA	41	41	41	41	41	41	41	41	41	40	40	40	40	40
13 Wells: Regional Totals	41	41	41	41	41	41	41	41	41	40	40	40	40	40
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	234	234	234	234	234	234	234	234	234	231	231	231	231	231
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	234	234	234	234	234	234	234	234	234	231	231	231	231	231

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	49	49	49	49	49	49	49	49	49	49	49	49	49	49
3 Priest Rapids: Regional Totals	49	49	49	49	49	49	49	49	49	49	49	49	49	49
-Wanapum CER for Canada-														
4 GCPD to BPA	48	48	48	48	48	48	48	48	48	47	47	47	47	47
5 Wanapum: Regional Totals	48	48	48	48	48	48	48	48	48	47	47	47	47	47
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	19	19	19	19	19	19	19	19	19	18	18	18	18	18
7 Rock Island P.H. #1: Regional Totals	19	19	19	19	19	19	19	19	19	18	18	18	18	18
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	63	63	63	63	63	63	63	63	63	62	62	62	62	62
11 Rocky Reach: Regional Totals	63	63	63	63	63	63	63	63	63	62	62	62	62	62
-Wells CER for Canada-														
12 DOPD to BPA	40	40	40	40	40	40	40	40	40	40	40	40	40	40
13 Wells: Regional Totals	40	40	40	40	40	40	40	40	40	40	40	40	40	40
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	231	231	231	231	231	231	231	231	231	228	228	228	228	228
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	231	231	231	231	231	231	231	231	231	228	228	228	228	228

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-BPA Canada-														
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-														
2 GCPD to BPA	49	49	49	49	49	49	49	49	49	48	48	48	48	48
3 Priest Rapids: Regional Totals	49	49	49	49	49	49	49	49	49	48	48	48	48	48
-Wanapum CER for Canada-														
4 GCPD to BPA	47	47	47	47	47	47	47	47	47	47	47	47	47	47
5 Wanapum: Regional Totals	47	47	47	47	47	47	47	47	47	47	47	47	47	47
-Rock Island P.H. #1 CER for Canada-														
6 CHPD to BPA	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7 Rock Island P.H. #1: Regional Totals	18	18	18	18	18	18	18	18	18	18	18	18	18	18
-Rock Island P.H. #2 CER for Canada-														
8 CHPD to BPA	12	12	12	12	12	12	12	12	12	12	12	12	12	12
9 Rock Island P.H. #2: Regional Totals	12	12	12	12	12	12	12	12	12	12	12	12	12	12
-Rocky Reach CER for Canada-														
10 CHPD to BPA	62	62	62	62	62	62	62	62	62	62	62	62	62	62
11 Rocky Reach: Regional Totals	62	62	62	62	62	62	62	62	62	62	62	62	62	62
-Wells CER for Canada-														
12 DOPD to BPA	40	40	40	40	40	40	40	40	40	39	39	39	39	39
13 Wells: Regional Totals	40	40	40	40	40	40	40	40	40	39	39	39	39	39
-Total CER For Canada-														
14 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Public Entities	228	228	228	228	228	228	228	228	228	226	226	226	226	226
16 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Total CER For Canada	228	228	228	228	228	228	228	228	228	226	226	226	226	226

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Table A-16
Intra-Regional Transfers
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
1 APGI To PPL C/N/X	102	102	102	102	102	102	102	102	102	102	102	102	102	0
2 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 AVWP To PGE CapS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
4 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
5 BPA To CCPD SFIBlk	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To Other Entities	688	688	500	0	0	0	0	0	0	0	0	230	0	0
7 BPA To PPL PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
8 BPA To PPL CapS	575	575	575	575	575	575	575	575	575	575	575	575	575	575
9 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
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	7	7	7	0	0	0	0	0	0	0
13 CCPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CHPD To PGE S/N/X	50	50	50	50	0	0	0	0	0	0	0	0	0	0
15 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	19	20
16 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27
19 GCPD To EWEB PwrS	5.5	5.5	5.3	5.2	5.4	5.4	4.9	4.9	4.9	7.3	7.3	8.9	8.8	7.7
20 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
21 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1
22 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1
23 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 GCPD To MCMN PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
27 GCPD To MTFR PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2
28 GCPD To PGE PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	62
29 GCPD To PPL PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	62
30 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
31 GCPD To PSE PwrS	26	26	25	24	25	25	23	23	23	34	34	42	41	36
32 GCPD To TPU PwrS	11	11	11	10	11	11	9.7	9.8	9.8	15	15	18	18	15
33 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 NWCP To PSE PwrS	4	4	4.7	4.9	4.9	4.5	4	4	4.8	4	4	4.4	4.3	4.7
35 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
36 NWE To PSE PwrS	97	97	97	97	97	97	0	0	0	0	0	0	0	0
37 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0
38 Other Entities To BPA	912	912	309	7.1	308	308	308	308	307	306	306	7.4	8.6	8.4
39 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
40 Other Entities To DOPD	21	21	21	32	56	56	56	56	32	21	21	21	21	21
41 Other Entities To PGE	125	125	125	125	425	425	425	425	425	425	425	125	125	125
42 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 PGE To CHPD S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PPL To APGI C/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0
49 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
51 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
52 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	100	100	201	201
53 Total Contracts	3560	3560	2771	2112	2893	2968	2756	2685	2581	2643	2542	1973	1830	1720
-Total Contracts Out-														
54 Federal System	1393	1393	1207	842	1046	1144	1146	1074	993	994	994	967	718	739
55 Public Entities	329	329	304	298	254	255	238	239	240	308	308	365	371	342
56 Investor-Owned Entities	761	761	784	584	630	607	510	510	510	514	413	363	464	464
57 Other Entities	1077	1077	477	388	962	962	862	862	838	827	827	277	277	175
58 Total Contracts Out	3560	3560	2771	2112	2893	2968	2756	2685	2581	2643	2542	1973	1830	1720
-Total Contracts In-														

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59 Federal System	923	923	344	41	338	316	315	315	314	317	317	19	20	20
60 Public Entities	308	308	116	126	152	152	149	149	125	126	126	361	130	127
61 Investor-Owned Entities	2213	2213	2197	1930	2387	2484	2277	2206	2126	2185	2084	1578	1664	1557
62 Other Entities	115	115	116	16	16	16	16	16	16	16	16	16	16	16
63 Total Contracts In	3560	3560	2771	2112	2893	2968	2756	2685	2581	2643	2542	1973	1830	1720

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
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	0	0	0	0	0	0	0	0	0	0
4 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
5 BPA To CCPD SFIBlk	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To Other Entities	19	19	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PPL PwrS	130	130	132	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PPL PwrS	0	0	0	267	300	398	400	335	336	337	337	162	108	130
9 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
11 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA To PPL CapS	575	575	0	0	0	0	0	0	0	0	0	0	0	0
14 BPA To PSE WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
16 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 CCPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
19 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
21 GCPD To AVWP PwrS	20	20	19	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To EWEB PwrS	5.5	5.5	5.3	0	0	0	0	0	0	0	0	0	0	0
23 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
24 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
27 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0
28 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 GCPD To MCMN PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
30 GCPD To MTFR PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0
31 GCPD To PGE PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0
32 GCPD To PPL PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0
33 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
34 GCPD To PSE PwrS	26	26	25	0	0	0	0	0	0	0	0	0	0	0
35 GCPD To TPU PwrS	11	11	11	0	0	0	0	0	0	0	0	0	0	0
36 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
37 NWCP To PSE PwrS	4	4	4.7	4.9	4.9	4.5	4	4	4.8	4	4	4.4	4.3	4.7
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 Other Entities To BPA	9.3	9.3	7.1	22	322	322	322	322	322	322	322	22	22	22
40 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
41 Other Entities To DOPD	12	12	12	19	33	33	33	33	19	12	12	12	12	12
42 Other Entities To PGE	125	125	125	100	100	100	100	100	100	100	100	100	100	100
43 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PGE To PPL Cove Repl	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
45 PPL To BPA S/Pwr/X	0	0	23	0	0	0	0	0	0	0	0	0	0	0
46 PPL To BPA S/Pwr/X	0	0	0	23	23	0	0	0	0	0	0	0	0	0
47 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 PPL To BPA PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
52 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
53 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
54 Total Contracts	1630	1630	1036	1016	1523	1598	1599	1534	1440	1437	1437	792	880	903
-Total Contracts Out-														
55 Federal System	724	724	132	267	464	562	564	499	418	419	419	162	143	164
56 Public Entities	276	276	251	92	92	92	92	92	92	92	92	104	110	112
57 Investor-Owned Entities	464	464	487	487	533	510	510	510	510	514	514	363	464	464
58 Other Entities	166	166	166	170	434	434	434	434	420	413	413	163	163	163
59 Total Contracts Out	1630	1630	1036	1016	1523	1598	1599	1534	1440	1437	1437	792	880	903

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Total Contracts In-														
60 Federal System	20	20	41	56	352	329	329	329	329	333	333	33	33	33
61 Public Entities	130	130	107	92	106	106	106	106	92	85	85	85	85	85
62 Investor-Owned Entities	1463	1463	872	852	1049	1147	1148	1084	1003	1004	1004	658	746	769
63 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
64 Total Contracts In	1630	1630	1036	1016	1523	1598	1599	1534	1440	1437	1437	792	880	903

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
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	130	130	132	267	300	398	400	335	336	337	337	162	108	130
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
8 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 NWCP To PSE PwrS	4	4	4.7	4.9	4.9	4.5	0	0	0	0	0	0	0	0
14 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
15 Other Entities To BPA	22	22	22	33	333	333	333	333	333	333	333	33	33	33
16 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
17 Other Entities To DOPD	14	14	14	22	39	39	39	39	22	14	14	14	14	14
18 Other Entities To PGE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19 PGE To AVWP 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 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 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
26 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
27 Total Contracts	865	865	876	1030	1540	1615	1612	1547	1449	1446	1446	901	788	911
-Total Contracts Out-														
28 Federal System	130	130	132	267	464	562	564	499	418	419	419	162	143	164
29 Public Entities	106	106	93	92	92	92	88	88	88	88	88	100	106	107
30 Investor-Owned Entities	464	464	487	487	533	510	510	510	510	514	514	464	363	464
31 Other Entities	165	165	165	184	451	451	451	451	434	426	426	176	176	176
32 Total Contracts Out	865	865	876	1030	1540	1615	1612	1547	1449	1446	1446	901	788	911
-Total Contracts In-														
33 Federal System	33	33	56	67	363	340	340	340	340	344	344	44	44	44
34 Public Entities	87	87	87	95	112	112	112	112	95	87	87	87	87	87
35 Investor-Owned Entities	729	729	718	852	1049	1147	1144	1080	998	1000	1000	755	641	764
36 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
37 Total Contracts In	865	865	876	1030	1540	1615	1612	1547	1449	1446	1446	901	788	911

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
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	130	130	132	267	300	398	400	335	336	337	337	162	108	130
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
8 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	18	20
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	10	10	10	10	10	10	10	10	10	10	10	10	0	0
11 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
12 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
13 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
14 Other Entities To BPA	33	33	33	0	250	250	250	250	250	250	250	0	0	0
15 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
16 Other Entities To DOPD	16	16	16	24	42	42	42	42	24	16	16	16	16	16
17 Other Entities To PGE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
18 PGE To AVWP 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 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
24 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	100	201	201
26 Total Contracts	874	874	884	994	1455	1530	1532	1467	1368	1365	1365	770	813	836
-Total Contracts Out-														
27 Federal System	130	130	132	267	464	562	564	499	418	419	419	162	108	130
28 Public Entities	102	102	88	88	88	88	88	88	88	88	88	99	96	97
29 Investor-Owned Entities	464	464	487	487	533	510	510	510	510	514	514	363	464	464
30 Other Entities	178	178	178	153	371	371	371	371	353	345	345	145	145	145
31 Total Contracts Out	874	874	884	994	1455	1530	1532	1467	1368	1365	1365	770	813	836
-Total Contracts In-														
32 Federal System	44	44	67	34	280	257	257	257	257	261	261	11	11	11
33 Public Entities	89	89	89	97	115	115	115	115	97	89	89	89	89	89
34 Investor-Owned Entities	725	725	713	848	1044	1142	1144	1080	998	1000	1000	654	697	720
35 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
36 Total Contracts In	874	874	884	994	1455	1530	1532	1467	1368	1365	1365	770	813	836

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
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	130	130	132	267	300	398	400	335	336	337	337	162	108	130
5 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
6 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
9 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
10 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
11 Other Entities To BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
13 Other Entities To DOPD	18	18	18	27	47	47	47	47	27	18	18	18	18	18
14 Other Entities To PGE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
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 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
20 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	100	201
21 Total Contracts	833	833	820	964	1177	1275	1277	1212	1111	1107	1107	862	714	838
-Total Contracts Out-														
22 Federal System	130	130	132	267	464	562	564	499	418	419	419	162	108	130
23 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
24 Investor-Owned Entities	464	464	464	464	460	460	460	460	460	464	464	464	363	464
25 Other Entities	147	147	147	156	176	176	176	176	156	147	147	147	147	147
26 Total Contracts Out	833	833	820	964	1177	1275	1277	1212	1111	1107	1107	862	714	838
-Total Contracts In-														
27 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
28 Public Entities	91	91	91	100	120	120	120	120	100	91	91	91	91	91
29 Investor-Owned Entities	715	715	702	838	1034	1132	1134	1070	988	990	990	744	597	720
30 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
31 Total Contracts In	833	833	820	964	1177	1275	1277	1212	1111	1107	1107	862	714	838

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
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	130	130	132	267	300	398	400	335	336	337	337	162	108	130
5 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
6 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
9 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
10 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
11 Other Entities To BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
13 Other Entities To DOPD	20	20	20	30	53	53	53	53	30	20	20	20	20	20
14 Other Entities To PGE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
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 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
20 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	100	100	201	201	201
21 Total Contracts	835	835	822	967	1183	1281	1283	1218	1114	1009	1009	864	817	840
-Total Contracts Out-														
22 Federal System	130	130	132	267	464	562	564	499	418	419	419	162	108	130
23 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
24 Investor-Owned Entities	464	464	464	464	460	460	460	460	460	363	363	464	464	464
25 Other Entities	149	149	149	159	182	182	182	182	159	149	149	149	149	149
26 Total Contracts Out	835	835	822	967	1183	1281	1283	1218	1114	1009	1009	864	817	840
-Total Contracts In-														
27 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
28 Public Entities	93	93	93	103	126	126	126	126	103	93	93	93	93	93
29 Investor-Owned Entities	715	715	703	838	1034	1132	1134	1070	988	889	889	744	697	720
30 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
31 Total Contracts In	835	835	822	967	1183	1281	1283	1218	1114	1009	1009	864	817	840

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
1 AVWP To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 AVWP To PGE CapS	150	150	150	150	150	150	0	0	0	0	0	0	0	0
3 BPA To AVWP WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
4 BPA To PPL PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
5 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
6 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
9 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
10 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
11 Other Entities To BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
13 Other Entities To DOPD	7	7	7	11	19	19	19	19	11	7	7	7	7	7
14 Other Entities To PGE	100	100	100	0	0	0	0	0	0	0	0	0	0	0
15 PGE To AVWP PkRepl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 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
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 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
20 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	201	201
21 Total Contracts	822	822	809	848	1049	1147	999	934	845	846	846	601	554	577
-Total Contracts Out-														
22 Federal System	130	130	132	267	464	562	564	499	418	419	419	162	108	130
23 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
24 Investor-Owned Entities	464	464	464	364	360	360	210	210	210	214	214	214	214	214
25 Other Entities	136	136	136	140	148	148	148	148	140	136	136	136	136	136
26 Total Contracts Out	822	822	809	848	1049	1147	999	934	845	846	846	601	554	577
-Total Contracts In-														
27 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
28 Public Entities	80	80	80	84	92	92	92	92	84	80	80	80	80	80
29 Investor-Owned Entities	715	715	703	738	934	1032	884	820	738	740	740	494	447	470
30 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
31 Total Contracts In	822	822	809	848	1049	1147	999	934	845	846	846	601	554	577

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
1 BPA To PPL PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
2 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
3 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
4 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
5 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
6 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
7 Other Entities To BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
9 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
10 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
12 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
13 TAUC To AVWP PwrS	201	201	201	201	201	201	201	201	201	201	201	201	201	201
14 Total Contracts	565	565	552	687	798	896	898	833	793	798	798	594	547	570
-Total Contracts Out-														
15 Federal System	130	130	132	267	382	480	482	417	377	378	378	162	108	130
16 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
17 Investor-Owned Entities	214	214	214	214	210	210	210	210	210	214	214	214	214	214
18 Other Entities	129	129	129	129	129	129	129	129	129	129	129	129	129	129
19 Total Contracts Out	565	565	552	687	798	896	898	833	793	798	798	594	547	570
-Total Contracts In-														
20 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
21 Public Entities	73	73	73	73	73	73	73	73	73	73	73	73	73	73
22 Investor-Owned Entities	465	465	453	588	702	800	802	738	698	698	698	494	447	470
23 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
24 Total Contracts In	565	565	552	687	798	896	898	833	793	798	798	594	547	570

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
1 BPA To PPL PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
2 BPA To PSE WP3Set	0	0	0	0	82	82	82	82	41	41	41	0	0	0
3 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
4 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
5 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
6 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
7 Other Entities To BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
9 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
10 PSE To BPA WP3Set	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
12 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
13 TAUC To AVWP PwrS	201	201	201	201	201	201	0	0	0	0	0	0	0	0
14 Total Contracts	565	565	552	687	798	896	697	632	592	597	597	393	346	369
-Total Contracts Out-														
15 Federal System	130	130	132	267	382	480	482	417	377	378	378	162	108	130
16 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
17 Investor-Owned Entities	214	214	214	214	210	210	9.0	9.0	9.0	13	13	13	13	13
18 Other Entities	129	129	129	129	129	129	129	129	129	129	129	129	129	129
19 Total Contracts Out	565	565	552	687	798	896	697	632	592	597	597	393	346	369
-Total Contracts In-														
20 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
21 Public Entities	73	73	73	73	73	73	73	73	73	73	73	73	73	73
22 Investor-Owned Entities	465	465	453	588	702	800	602	536	496	498	498	293	246	269
23 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
24 Total Contracts In	565	565	552	687	798	896	697	632	592	597	597	393	346	369

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Intra-Regional Transfers-														
1 BPA To PPL PwrS	130	130	132	267	300	398	400	335	336	337	337	162	108	130
2 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20
3 GCPD To PPL PwrS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
4 GHPD To GHP PwrS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
5 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
6 Other Entities To COPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25
7 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
8 SCL To POPD PwrS	48	48	48	48	48	48	48	48	48	48	48	48	48	48
9 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104
10 Total Contracts	364	364	351	486	515	613	615	550	551	556	556	393	346	369
-Total Contracts Out-														
11 Federal System	130	130	132	267	300	398	400	335	336	337	337	162	108	130
12 Public Entities	92	92	78	78	78	78	78	78	78	78	78	89	96	97
13 Investor-Owned Entities	13	13	13	13	9.0	9.0	9.0	9.0	9.0	13	13	13	13	13
14 Other Entities	129	129	129	129	129	129	129	129	129	129	129	129	129	129
15 Total Contracts Out	364	364	351	486	515	613	615	550	551	556	556	393	346	369
-Total Contracts In-														
16 Federal System	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11
17 Public Entities	73	73	73	73	73	73	73	73	73	73	73	73	73	73
18 Investor-Owned Entities	264	264	252	386	420	518	520	454	456	456	456	293	246	269
19 Other Entities	16	16	16	16	16	16	16	16	16	16	16	16	16	16
20 Total Contracts In	364	364	351	486	515	613	615	550	551	556	556	393	346	369

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Table A-17
Capacity Reserves
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-394	-343	-321	-338	-382	-401	-401	-366	-367	-309	-261	-389	-336	-401
2 Total Federal Entities	-394	-343	-321	-338	-382	-401	-401	-366	-367	-309	-261	-389	-336	-401
-Generating Public Entities-														
3 Generating Publics	-124	-124	-122	-131	-132	-136	-130	-127	-120	-124	-122	-121	-140	-136
4 Total Generating Public Entities	-124	-124	-122	-131	-132	-136	-130	-127	-120	-124	-122	-121	-140	-136
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
6 Total Non-Generating Public Entities	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-393	-393	-402	-403	-408	-417	-413	-411	-403	-411	-406	-375	-399	-402
8 Total Investor-Owned Entities	-393	-393	-402	-403	-408	-417	-413	-411	-403	-411	-406	-375	-399	-402
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1171	-3689	-6928	-5422	-4599	-4410	-8531	-8244	-7513	-7048	-8126	-6927	-6074	-3908
12 Total Federal Entities	-1171	-3689	-6928	-5422	-4599	-4410	-8531	-8244	-7513	-7048	-8126	-6927	-6074	-3908
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
22 Total Federal Entities	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
32 Total Federal Entities	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-915	-864	-848	-875	-926	-957	-948	-908	-893	-847	-793	-888	-879	-941
42 Total Non-Spinning Reserves	-1171	-3689	-6928	-5422	-4599	-4410	-8531	-8244	-7513	-7048	-8126	-6927	-6074	-3908
43 Total Load Following Reserves	-939	-939	-939	-1013	-1013	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031	-1031
44 Total Generation Imbalance Reserves	-306	-306	-306	-321	-321	-325	-325	-325	-325	-325	-325	-325	-325	-325
45 Total Capacity Reserves	-3330	-5797	-9021	-7631	-6859	-6723	-10835	-10507	-9762	-9251	-10274	-9170	-8309	-6205

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-400	-338	-309	-299	-364	-375	-375	-358	-364	-303	-377	-428	-363	-330
2 Total Federal Entities	-400	-338	-309	-299	-364	-375	-375	-358	-364	-303	-377	-428	-363	-330
-Generating Public Entities-														
3 Generating Publics	-129	-129	-122	-127	-139	-140	-140	-137	-129	-132	-131	-132	-149	-145
4 Total Generating Public Entities	-129	-129	-122	-127	-139	-140	-140	-137	-129	-132	-131	-132	-149	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
6 Total Non-Generating Public Entities	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-399	-398	-407	-400	-400	-405	-402	-400	-393	-385	-381	-363	-388	-386
8 Total Investor-Owned Entities	-399	-398	-407	-400	-400	-405	-402	-400	-393	-385	-381	-363	-388	-386
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1161	-3670	-6928	-5401	-4582	-4380	-8531	-8244	-7486	-7013	-8126	-6912	-6062	-3890
12 Total Federal Entities	-1161	-3670	-6928	-5401	-4582	-4380	-8531	-8244	-7486	-7013	-8126	-6912	-6062	-3890
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
22 Total Federal Entities	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
32 Total Federal Entities	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-931	-869	-842	-830	-907	-924	-920	-899	-889	-823	-892	-927	-903	-865
42 Total Non-Spinning Reserves	-1161	-3670	-6928	-5401	-4582	-4380	-8531	-8244	-7486	-7013	-8126	-6912	-6062	-3890
43 Total Load Following Reserves	-1089	-1089	-1089	-649	-649	-649	-649	-669	-669	-669	-669	-669	-669	-669
44 Total Generation Imbalance Reserves	-341	-341	-341	-459	-459	-459	-459	-468	-468	-468	-468	-468	-468	-468
45 Total Capacity Reserves	-3522	-5970	-9200	-7339	-6597	-6412	-10560	-10279	-9512	-8973	-10155	-8976	-8102	-5892

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-387	-312	-300	-298	-373	-372	-375	-356	-346	-308	-271	-389	-321	-377
2 Total Federal Entities	-387	-312	-300	-298	-373	-372	-375	-356	-346	-308	-271	-389	-321	-377
-Generating Public Entities-														
3 Generating Publics	-136	-136	-130	-137	-139	-140	-141	-137	-129	-133	-132	-133	-150	-145
4 Total Generating Public Entities	-136	-136	-130	-137	-139	-140	-141	-137	-129	-133	-132	-133	-150	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
6 Total Non-Generating Public Entities	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-384	-379	-360	-384	-386
8 Total Investor-Owned Entities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-384	-379	-360	-384	-386
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1148	-3648	-6928	-5376	-4560	-4344	-8531	-8244	-7455	-6972	-8126	-6893	-6047	-3870
12 Total Federal Entities	-1148	-3648	-6928	-5376	-4560	-4344	-8531	-8244	-7455	-6972	-8126	-6893	-6047	-3870
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
22 Total Federal Entities	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
32 Total Federal Entities	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-910	-834	-824	-823	-912	-918	-918	-893	-867	-828	-785	-885	-858	-911
42 Total Non-Spinning Reserves	-1148	-3648	-6928	-5376	-4560	-4344	-8531	-8244	-7455	-6972	-8126	-6893	-6047	-3870
43 Total Load Following Reserves	-724	-724	-724	-734	-734	-787	-787	-787	-798	-798	-798	-798	-798	-798
44 Total Generation Imbalance Reserves	-493	-493	-493	-496	-496	-516	-516	-516	-520	-520	-520	-520	-520	-520
45 Total Capacity Reserves	-3274	-5698	-8969	-7430	-6703	-6565	-10752	-10440	-9640	-9117	-10228	-9096	-8223	-6099

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-387	-311	-303	-309	-369	-377	-378	-360	-356	-314	-279	-428	-365	-327
2 Total Federal Entities	-387	-311	-303	-309	-369	-377	-378	-360	-356	-314	-279	-428	-365	-327
-Generating Public Entities-														
3 Generating Publics	-136	-136	-130	-137	-139	-141	-141	-137	-129	-133	-132	-133	-150	-145
4 Total Generating Public Entities	-136	-136	-130	-137	-139	-141	-141	-137	-129	-133	-132	-133	-150	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
6 Total Non-Generating Public Entities	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-3.9	-4.0	-4.1	-3.8	-3.8	-3.8	-3.8	-3.8
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-395	-361	-342	-384	-386
8 Total Investor-Owned Entities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-395	-361	-342	-384	-386
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1138	-3629	-6928	-5356	-4543	-4315	-8531	-8244	-7428	-6937	-8126	-6879	-6035	-3853
12 Total Federal Entities	-1138	-3629	-6928	-5356	-4543	-4315	-8531	-8244	-7428	-6937	-8126	-6879	-6035	-3853
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-909	-834	-828	-835	-908	-923	-921	-897	-878	-845	-775	-906	-902	-861
42 Total Non-Spinning Reserves	-1138	-3629	-6928	-5356	-4543	-4315	-8531	-8244	-7428	-6937	-8126	-6879	-6035	-3853
43 Total Load Following Reserves	-850	-850	-850	-850	-850	-898	-914	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-540	-540	-494	-540	-540	-557	-563	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3437	-5853	-9100	-7580	-6842	-6693	-10929	-10705	-9870	-9346	-10465	-9349	-8501	-6279

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-387	-313	-303	-307	-370	-382	-382	-359	-354	-314	-279	-396	-323	-346
2 Total Federal Entities	-387	-313	-303	-307	-370	-382	-382	-359	-354	-314	-279	-396	-323	-346
-Generating Public Entities-														
3 Generating Publics	-136	-136	-130	-137	-139	-141	-140	-137	-129	-132	-131	-132	-149	-145
4 Total Generating Public Entities	-136	-136	-130	-137	-139	-141	-140	-137	-129	-132	-131	-132	-149	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.8	-3.8	-4.0	-3.9	-4.0	-3.9	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-381	-365	-359	-384	-386
8 Total Investor-Owned Entities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-381	-365	-359	-384	-386
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
12 Total Federal Entities	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-909	-835	-828	-832	-909	-927	-924	-896	-875	-831	-778	-890	-860	-880
42 Total Non-Spinning Reserves	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3607	-6019	-9320	-7742	-7008	-6792	-11019	-10704	-9854	-9315	-10468	-9326	-8453	-6288

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-388	-314	-305	-305	-368	-382	-382	-359	-354	-314	-279	-430	-365	-328
2 Total Federal Entities	-388	-314	-305	-305	-368	-382	-382	-359	-354	-314	-279	-430	-365	-328
-Generating Public Entities-														
3 Generating Publics	-135	-135	-130	-136	-139	-140	-140	-137	-128	-132	-131	-132	-149	-145
4 Total Generating Public Entities	-135	-135	-130	-136	-139	-140	-140	-137	-128	-132	-131	-132	-149	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-383	-361	-359	-384	-386
8 Total Investor-Owned Entities	-383	-383	-391	-385	-396	-401	-398	-396	-389	-383	-361	-359	-384	-386
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
12 Total Federal Entities	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-910	-835	-829	-830	-906	-927	-924	-896	-875	-832	-775	-924	-901	-862
42 Total Non-Spinning Reserves	-1133	-3620	-6928	-5345	-4534	-4300	-8531	-8244	-7414	-6920	-8126	-6872	-6029	-3844
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3607	-6019	-9321	-7740	-7004	-6791	-11019	-10704	-9854	-9317	-10465	-9361	-8495	-6271

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-388	-315	-302	-301	-368	-381	-382	-360	-358	-313	-281	-394	-322	-344
2 Total Federal Entities	-388	-315	-302	-301	-368	-381	-382	-360	-358	-313	-281	-394	-322	-344
-Generating Public Entities-														
3 Generating Publics	-135	-135	-130	-136	-139	-140	-140	-137	-128	-132	-131	-132	-149	-145
4 Total Generating Public Entities	-135	-135	-130	-136	-139	-140	-140	-137	-128	-132	-131	-132	-149	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-383	-383	-391	-385	-396	-401	-390	-388	-381	-387	-372	-352	-377	-379
8 Total Investor-Owned Entities	-383	-383	-391	-385	-396	-401	-390	-388	-381	-387	-372	-352	-377	-379
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
12 Total Federal Entities	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-910	-836	-825	-826	-906	-925	-916	-889	-871	-836	-786	-881	-851	-871
42 Total Non-Spinning Reserves	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3828	-6357	-9318	-8141	-7358	-7368	-11012	-10697	-10294	-9455	-10476	-9664	-8716	-6578

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-388	-316	-302	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
2 Total Federal Entities	-388	-316	-302	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
-Generating Public Entities-														
3 Generating Publics	-136	-136	-130	-137	-139	-140	-140	-137	-129	-133	-131	-133	-150	-145
4 Total Generating Public Entities	-136	-136	-130	-137	-139	-140	-140	-137	-129	-133	-131	-133	-150	-145
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-376	-376	-383	-377	-388	-393	-390	-388	-381	-374	-358	-334	-377	-379
8 Total Investor-Owned Entities	-376	-376	-383	-377	-388	-393	-390	-388	-381	-374	-358	-334	-377	-379
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
12 Total Federal Entities	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-903	-831	-819	-823	-898	-919	-916	-888	-867	-823	-772	-900	-894	-856
42 Total Non-Spinning Reserves	-1354	-3957	-6928	-5751	-4887	-4878	-8531	-8244	-7858	-7055	-8126	-7219	-6301	-4143
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3821	-6352	-9312	-8138	-7350	-7361	-11011	-10696	-10290	-9442	-10462	-9683	-8759	-6563

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-388	-315	-302	-301	-377	-379	-370	-358	-394	-315	-278	-389	-321	-343
2 Total Federal Entities	-388	-315	-302	-301	-377	-379	-370	-358	-394	-315	-278	-389	-321	-343
-Generating Public Entities-														
3 Generating Publics	-136	-136	-142	-149	-151	-152	-152	-149	-141	-144	-143	-145	-161	-157
4 Total Generating Public Entities	-136	-136	-142	-149	-151	-152	-152	-149	-141	-144	-143	-145	-161	-157
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-376	-376	-372	-366	-377	-382	-379	-377	-370	-364	-360	-341	-365	-367
8 Total Investor-Owned Entities	-376	-376	-372	-366	-377	-382	-379	-377	-370	-364	-360	-341	-365	-367
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	-1354	-3957	-6928	-5751	-4887	-4878	0	0	0	0	0	0	0	0
12 Total Federal Entities	-1354	-3957	-6928	-5751	-4887	-4878	0	0	0	0	0	0	0	0
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-903	-830	-819	-820	-909	-916	-904	-888	-909	-827	-785	-878	-851	-871
42 Total Non-Spinning Reserves	-1354	-3957	-6928	-5751	-4887	-4878	0	0	0	0	0	0	0	0
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-3821	-6351	-9312	-8134	-7361	-7359	-2469	-2453	-2473	-2392	-2349	-2442	-2415	-2435

Table A-17: Regional Capacity Reserves
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Spinning Reserves														
-Federal Entities-														
1 Federal Agencies	-387	-312	-301	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
2 Total Federal Entities	-387	-312	-301	-305	-367	-382	-381	-359	-354	-314	-279	-430	-365	-328
-Generating Public Entities-														
3 Generating Publics	-148	-148	-142	-149	-151	-152	-152	-149	-141	-144	-143	-145	-161	-157
4 Total Generating Public Entities	-148	-148	-142	-149	-151	-152	-152	-149	-141	-144	-143	-145	-161	-157
-Non-Generating Public Entities-														
5 Non-Generating Publics	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
6 Total Non-Generating Public Entities	-3.9	-3.9	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-3.9	-3.9	-3.9	-3.9	-3.9
-Investor-Owned Entities-														
7 Investor-Owned Utilities	-364	-364	-372	-366	-377	-382	-379	-377	-370	-376	-342	-323	-365	-367
8 Total Investor-Owned Entities	-364	-364	-372	-366	-377	-382	-379	-377	-370	-376	-342	-323	-365	-367
-Other Entities-														
9 Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
10 Total Other Entities	0.5	0.5	0.4	0.3	0.2	0.2	0	0	0.4	0.5	0.6	0.7	0.4	0.6
Non-Spinning Reserves														
-Federal Entities-														
11 Federal Agencies	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Total Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Generating Public Entities-														
13 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
15 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
17 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Load Following Reserves														
-Federal Entities-														
21 Federal Agencies	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
22 Total Federal Entities	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
-Generating Public Entities-														
23 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
25 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
27 Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
28 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Generation Imbalance Reserves														
-Federal Entities-														
31 Federal Agencies	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
32 Total Federal Entities	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
-Generating Public Entities-														
33 Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Total Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Non-Generating Public Entities-														
35 Non-Generating Publics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Non-Generating Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Investor-Owned Entities-														
37 Investor-Owned Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Other Entities-														
39 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Total Capacity Reserves-														
41 Total Spinning Reserves	-902	-827	-819	-823	-899	-920	-916	-889	-868	-837	-768	-901	-895	-856
42 Total Non-Spinning Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Total Load Following Reserves	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977	-977
44 Total Generation Imbalance Reserves	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
45 Total Capacity Reserves	-2467	-2392	-2383	-2387	-2463	-2484	-2480	-2453	-2432	-2402	-2332	-2465	-2459	-2420

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Table A-18
Wells & Chelan Allocation
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	53	53	53	52	51	51	12	50	12	51	53	54
12 Chelan Before Enc	54	54	53	53	53	52	51	51	12	50	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	57	57	57	56	55	55	16	54	16	55	57	58
14 Chelan After Enc	58	58	57	57	57	56	55	55	16	54	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	53	53	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	53	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	57	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	57	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	0	0	0	0	0	0	0	0	0	0	0	0
4 COLV Share	38	38	46	46	46	46	46	46	46	46	46	46	46	46
5 DOPD Share	241	241	730	730	730	730	730	730	730	730	730	730	730	730
6 OKPD Share	64	64	64	64	64	64	64	64	64	64	64	64	64	64
7 PGE Share	163	163	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	55	55	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	251	251	0	0	0	0	0	0	0	0	0	0	0	0
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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

Table A-18: Wells and Chelan Allocation
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COLV Share	46	46	46	46	46	46	46	46	46	46	46	46	46	46
5 DOPD Share	730	730	730	730	730	730	730	730	730	730	730	730	730	730
6 OKPD Share	64	64	64	64	64	64	64	64	64	64	64	64	64	64
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	52	52	51	50	12	12	12	51	53	54
12 Chelan Before Enc	54	54	54	53	52	52	51	50	12	12	12	51	53	54
-Chelan-														
13 CHPD Share	58	58	58	57	56	56	55	54	16	16	16	55	57	58
14 Chelan After Enc	58	58	58	57	56	56	55	54	16	16	16	55	57	58

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Table A-19
Rocky Reach & Rock Island Allocation
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	299	299	298	298	299	299	299	299	298	297	298	299	299	299
4 AVWP Share	38	38	38	38	38	38	38	38	38	37	38	38	38	38
5 CHPD Share	197	196	196	196	197	197	197	196	196	196	196	197	196	197
6 DOPD Share	36	36	36	36	36	36	36	36	36	36	36	36	36	36
7 PGE Share	156	156	156	156	156	156	156	156	156	155	155	156	156	156
8 PPL Share	69	69	69	69	69	69	69	69	69	68	69	69	69	69
9 PSE Share	506	505	504	505	506	505	506	505	504	503	504	505	505	505
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1292	1296	1299	1299	1299
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	157	157	157
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	157	157	157
-Rock Island PH#1-														
13 APGI Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CHPD Share	84	87	88	87	86	87	85	87	88	88	88	86	86	86
15 PSE Share	84	87	88	87	86	87	85	87	88	88	88	86	86	86
16 Rock Island PH#1 After Enc	168	175	175	175	171	173	171	174	175	176	175	172	172	173
-Rock Island PH#2-														
17 Rock Island PH#2	393	388	388	388	391	389	391	388	388	388	388	390	390	390
18 Rock Island PH#2 Before Enc	393	388	388	388	391	389	391	388	388	388	388	390	390	390
-Rock Island PH#2-														
19 APGI Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 CHPD Share	216	214	215	214	215	214	215	214	214	216	215	215	215	214
21 PSE Share	216	214	215	214	215	214	215	214	214	216	215	215	215	214
22 Rock Island PH#2 After Enc	431	428	429	428	429	428	430	428	429	432	430	429	430	429

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	299	299	298	298	357	357	357	357	357	356	356	357	357	338
4 AVWP Share	38	38	38	38	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	197	196	196	196	545	545	545	545	544	543	543	545	545	564
6 DOPD Share	36	36	36	36	72	72	72	72	72	72	72	72	72	72
7 PGE Share	156	156	156	156	0	0	0	0	0	0	0	0	0	0
8 PPL Share	69	69	69	69	0	0	0	0	0	0	0	0	0	0
9 PSE Share	506	505	504	504	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	0	0	0	0	0	0	0	0	0	0	0	0	0	45
14 CHPD Share	84	87	88	88	86	87	85	87	88	88	88	85	86	85
15 PSE Share	84	87	88	88	86	87	85	87	88	88	88	85	86	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	176	176	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	393	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	393	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	0	0	0	0	0	0	0	0	0	0	0	0	0	111
20 CHPD Share	216	214	215	214	215	214	215	214	214	215	215	215	215	210
21 PSE Share	216	214	215	214	215	214	215	214	214	215	215	215	215	107
22 Rock Island PH#2 After Enc	431	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

Table A-19: Rocky Reach and Rock Island Allocation
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Rocky Reach-														
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
-Rocky Reach-														
3 APGI Share	338	337	337	337	338	338	338	338	337	337	337	338	338	338
4 AVWP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CHPD Share	565	564	563	564	565	565	565	564	564	563	563	565	565	564
6 DOPD Share	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 PGE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PPL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PSE Share	325	324	324	324	325	325	325	325	324	324	324	325	325	325
10 Rocky Reach After Enc	1301	1298	1296	1297	1300	1299	1300	1298	1297	1295	1295	1300	1299	1298
-Rock Island PH#1-														
11 Rock Island PH#1	153	158	158	158	156	158	156	158	158	158	158	155	156	158
12 Rock Island PH#1 Before Enc	153	158	158	158	156	158	156	158	158	158	158	155	156	158
-Rock Island PH#1-														
13 APGI Share	44	45	46	46	45	45	44	45	46	46	46	44	45	45
14 CHPD Share	82	86	86	86	84	85	84	85	86	86	86	83	84	85
15 PSE Share	42	44	44	44	43	43	43	44	44	44	44	43	43	44
16 Rock Island PH#1 After Enc	168	175	175	175	172	173	171	174	175	175	175	170	171	174
-Rock Island PH#2-														
17 Rock Island PH#2	394	388	388	388	391	389	391	388	388	388	388	392	391	388
18 Rock Island PH#2 Before Enc	394	388	388	388	391	389	391	388	388	388	388	392	391	388
-Rock Island PH#2-														
19 APGI Share	112	111	112	111	112	111	112	111	111	112	112	112	112	111
20 CHPD Share	212	210	210	210	210	210	211	210	210	211	211	211	211	210
21 PSE Share	108	107	107	107	107	107	107	107	107	107	107	108	108	107
22 Rock Island PH#2 After Enc	432	428	429	429	429	428	430	428	429	430	430	430	430	428

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Table A-20
Wanapum & Priest Rapids Allocation
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	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
6 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
7 GCPD Share	451	451	451	451	451	451	451	451	451	451	451	451	451	451
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	68	68	68	68	68	68	68	68	68	68	68	68	68	68
12 PNWMktr Share	119	119	119	119	119	119	119	119	119	119	119	119	119	119
13 PPL Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
14 PSE Share	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
15 SCL Share	17	17	17	17	17	17	17	17	17	17	17	17	17	17
16 TPU Share	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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	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
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	454	454	454	454	454	454	454	454	454	454	454	454	454	454
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	68	68	68	68	68	68	68	68	68	68	68	68	68	68
29 PNWMktr Share	120	120	120	120	120	120	120	120	120	120	120	120	120	120
30 PPL Share	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31 PSE Share	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
32 SCL Share	17	17	17	17	17	17	17	17	17	17	17	17	17	17
33 TPU Share	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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	30	30	30	30	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1.4	1.4	1.4	1.4	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	451	451	451	451	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	68	68	68	68	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	119	119	119	119	138	138	138	138	138	138	138	138	138	138
13 PPL Share	30	30	30	30	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
14 PSE Share	6.6	6.6	6.6	6.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
15 SCL Share	17	17	17	17	16	16	16	16	16	16	16	16	16	16
16 TPU Share	2.9	2.9	2.9	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	30	30	30	30	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.4	1.4	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	454	454	454	454	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	68	68	68	68	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	120	120	120	120	139	139	139	139	139	139	139	139	139	139
30 PPL Share	30	30	30	30	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE Share	6.6	6.6	6.6	6.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
32 SCL Share	17	17	17	17	16	16	16	16	16	16	16	16	16	16
33 TPU Share	2.9	2.9	2.9	2.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

Table A-20: Wanapum and Priest Rapids Allocation
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Wanapum-														
1 Wanapum	825	825	825	825	825	825	825	825	825	825	825	825	825	825
2 Wanapum Before Enc	825	825	825	825	825	825	825	825	825	825	825	825	825	825
-Wanapum-														
3 AVWP Share	28	28	28	28	28	28	28	28	28	28	28	28	28	28
4 COPD Share	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5 EWEB Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6 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
7 GCPD Share	462	462	462	462	462	462	462	462	462	462	462	462	462	462
8 KITT Share	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 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
10 MTFR 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
11 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
12 PNWMktr Share	138	138	138	138	138	138	138	138	138	138	138	138	138	138
13 PPL 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
14 PSE 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
15 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16 TPU 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
17 Wanapum After Enc	749	749	749	749	749	749	749	749	749	749	749	749	749	749
-Priest Rapids-														
18 Priest Rapids	770	770	770	770	770	770	770	770	770	770	770	770	770	770
19 Priest Rapids Before Enc	770	770	770	770	770	770	770	770	770	770	770	770	770	770
-Priest Rapids-														
20 AVWP Share	29	29	29	29	29	29	29	29	29	29	29	29	29	29
21 COPD Share	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22 EWEB Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
23 FGRV Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
24 GCPD Share	465	465	465	465	465	465	465	465	465	465	465	465	465	465
25 KITT Share	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
26 MCMN Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
27 MTFR Share	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
28 PGE Share	65	65	65	65	65	65	65	65	65	65	65	65	65	65
29 PNWMktr Share	139	139	139	139	139	139	139	139	139	139	139	139	139	139
30 PPL Share	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
31 PSE 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
32 SCL Share	16	16	16	16	16	16	16	16	16	16	16	16	16	16
33 TPU 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
34 Priest Rapids After Enc	754	754	754	754	754	754	754	754	754	754	754	754	754	754

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Table A-21
Swift #1 and Swift #2 Allocation
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	265	263	261	170	229	168	140	140	152	158	0.2	233	265	268
2 Swift 1 Before Enc	265	263	261	170	229	168	140	140	152	158	0.2	233	265	268
-Swift 1-														
3 COPD Share	69	68	68	44	60	44	36	36	39	41	0.1	61	69	70
4 PPL Share	196	194	193	125	170	124	104	104	112	117	0.1	172	196	198
5 Swift 1 After Enc	265	263	261	170	229	168	140	140	152	158	0.2	233	265	268
-Swift 2-														
6 Swift 2	60	62	64	51	69	76	76	76	76	76	0.1	76	63	58
7 Swift 2 Before Enc	60	62	64	51	69	76	76	76	76	76	0.1	76	63	58
-Swift 2-														
8 COPD Share	16	16	17	13	18	20	20	20	20	20	0	20	16	15
9 PPL Share	44	46	47	37	51	56	56	56	56	56	0.1	56	46	43
10 Swift 2 After Enc	60	62	64	51	69	76	76	76	76	76	0.1	76	63	58

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	265	263	261	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	265	263	261	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	69	68	68	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	196	194	193	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	265	263	261	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	60	62	64	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	60	62	64	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	17	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	44	46	47	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	60	62	64	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

Table A-21: Swift #1 and Swift #2 Allocation
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Swift 1-														
1 Swift 1	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
2 Swift 1 Before Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 1-														
3 COPD Share	68	68	60	0.1	52	47	44	41	39	41	0.1	61	69	69
4 PPL Share	194	194	171	0.1	148	133	126	117	112	117	0.1	172	196	196
5 Swift 1 After Enc	263	263	231	0.2	200	180	170	158	152	158	0.2	233	265	265
-Swift 2-														
6 Swift 2	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
7 Swift 2 Before Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60
-Swift 2-														
8 COPD Share	16	16	19	0	20	20	19	20	20	20	0	20	16	16
9 PPL Share	46	46	55	0.1	56	56	54	56	56	56	0.1	56	46	44
10 Swift 2 After Enc	62	62	74	0.1	76	76	73	76	76	76	0.1	76	63	60

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Table A-22
BPA Power Sale Contracts
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	165	165	155	166	191	207	214	200	179	172	172	157	157	164
2 Total Federal Entities	165	165	155	166	191	207	214	200	179	172	172	157	157	164
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
5 Direct Service Industry	340	340	340	340	340	340	320	320	320	320	320	320	0	0
6 Total Direct Service Industry	340	340	340	340	340	340	320	320	320	320	320	320	0	0
-Generating Public Entities-														
7 Generating Public Entities	2295	2295	2540	2700	3223	3549	3468	3431	3125	2731	2731	2238	2250	2473
8 Total Generating Public Entities	2295	2295	2540	2700	3223	3549	3468	3431	3125	2731	2731	2238	2250	2473
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	1591	1319	1209	1302	1566	1664	1698	1504	1457	1144	950	1614	1334	1613
10 Total Generating Public Entities (Slice)	1591	1319	1209	1302	1566	1664	1698	1504	1457	1144	950	1614	1334	1613
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	3822	3822	3889	4161	4617	5147	5192	4980	4489	4308	4308	3870	3762	3944
12 Total Non-Generating Public Entities	3822	3822	3889	4161	4617	5147	5192	4980	4489	4308	4308	3870	3762	3944
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	955	792	726	782	940	999	1019	903	875	687	571	969	801	969
14 Total Non-Generating Public Entities (Slice)	955	792	726	782	940	999	1019	903	875	687	571	969	801	969
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	165	165	155	166	191	207	214	200	179	172	172	157	157	164
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	340	340	340	340	340	340	320	320	320	320	320	320	0	0
22 Generating Public Entities	3885	3613	3749	4002	4788	5213	5166	4935	4582	3875	3681	3852	3583	4086
23 Non-Generating Public Entities	4777	4614	4615	4943	5557	6146	6212	5883	5364	4995	4879	4839	4563	4912
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	9797	9362	9447	9919	11151	12155	11951	11409	10882	9824	9513	9740	8895	9787

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	167	167	157	169	194	210	217	193	182	174	174	159	159	166
2 Total Federal Entities	167	167	157	169	194	210	217	193	182	174	174	159	159	166
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	2477	2477	2551	1624	1868	2027	1873	1761	1652	1525	1525	1394	1354	1368
8 Total Generating Public Entities	2477	2477	2551	1624	1868	2027	1873	1761	1652	1525	1525	1394	1354	1368
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	1600	1269	1123	1711	2259	2347	2394	2245	2235	1725	2335	2732	2187	1913
10 Total Generating Public Entities (Slice)	1600	1269	1123	1711	2259	2347	2394	2245	2235	1725	2335	2732	2187	1913
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	3866	3866	3952	4534	5027	5607	5559	5266	4825	4636	4636	4449	4434	4662
12 Total Non-Generating Public Entities	3866	3866	3952	4534	5027	5607	5559	5266	4825	4636	4636	4449	4434	4662
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	961	762	674	419	554	575	587	550	548	423	572	670	536	469
14 Total Non-Generating Public Entities (Slice)	961	762	674	419	554	575	587	550	548	423	572	670	536	469
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	167	167	157	169	194	210	217	193	182	174	174	159	159	166
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	4077	3746	3674	3335	4127	4375	4268	4007	3887	3250	3860	4126	3540	3281
23 Non-Generating Public Entities	4827	4628	4626	4954	5581	6182	6146	5817	5373	5058	5208	5119	4970	5131
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	9701	9171	9045	8926	10177	11017	10671	10086	9879	8944	9705	9976	9261	9203

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	169	169	160	172	197	213	218	204	182	175	175	160	159	167
2 Total Federal Entities	169	169	160	172	197	213	218	204	182	175	175	160	159	167
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1371	1371	1364	1483	1710	1858	1890	1896	1665	1535	1535	1402	1361	1375
8 Total Generating Public Entities	1371	1371	1364	1483	1710	1858	1890	1896	1665	1535	1535	1402	1361	1375
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2368	1754	1665	1675	2305	2286	2353	2187	2041	1728	1423	2467	1898	2253
10 Total Generating Public Entities (Slice)	2368	1754	1665	1675	2305	2286	2353	2187	2041	1728	1423	2467	1898	2253
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4532	4532	4321	4567	5057	5634	5640	5423	4903	4712	4712	4526	4512	4742
12 Total Non-Generating Public Entities	4532	4532	4321	4567	5057	5634	5640	5423	4903	4712	4712	4526	4512	4742
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	580	430	408	410	565	560	577	536	500	423	349	605	465	552
14 Total Non-Generating Public Entities (Slice)	580	430	408	410	565	560	577	536	500	423	349	605	465	552
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	169	169	160	172	197	213	218	204	182	175	175	160	159	167
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3740	3126	3029	3157	4016	4144	4243	4084	3707	3263	2958	3869	3258	3628
23 Non-Generating Public Entities	5112	4962	4729	4977	5623	6195	6217	5959	5403	5135	5061	5131	4977	5295
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	9651	8887	8505	8775	10109	10801	10718	10317	9729	9035	8656	9733	8986	9714

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	170	170	160	172	198	213	242	227	200	191	191	174	175	186
2 Total Federal Entities	170	170	160	172	198	213	242	227	200	191	191	174	175	186
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1379	1379	1371	1493	1724	1875	1830	1836	1609	1482	1482	1351	1310	1324
8 Total Generating Public Entities	1379	1379	1371	1493	1724	1875	1830	1836	1609	1482	1482	1351	1310	1324
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2321	1706	1660	1729	2237	2290	2338	2162	2071	1719	1434	2638	2116	1798
10 Total Generating Public Entities (Slice)	2321	1706	1660	1729	2237	2290	2338	2162	2071	1719	1434	2638	2116	1798
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4611	4611	4396	4642	5134	5717	5705	5466	4963	4770	4770	4582	4567	4798
12 Total Non-Generating Public Entities	4611	4611	4396	4642	5134	5717	5705	5466	4963	4770	4770	4582	4567	4798
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	569	418	407	424	548	561	573	530	508	421	351	647	519	441
14 Total Non-Generating Public Entities (Slice)	569	418	407	424	548	561	573	530	508	421	351	647	519	441
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	170	170	160	172	198	213	242	227	200	191	191	174	175	186
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3700	3085	3031	3221	3961	4166	4168	3998	3680	3200	2915	3989	3426	3122
23 Non-Generating Public Entities	5180	5029	4803	5066	5683	6278	6278	5996	5470	5191	5121	5229	5085	5238
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	9679	8913	8582	8928	10116	10907	10728	10291	9787	9045	8690	9964	9278	9171

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	186	186	176	190	220	237	248	233	205	195	195	178	178	190
2 Total Federal Entities	186	186	176	190	220	237	248	233	205	195	195	178	178	190
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1328	1328	1320	1439	1666	1815	1847	1853	1622	1492	1492	1359	1317	1332
8 Total Generating Public Entities	1328	1328	1320	1439	1666	1815	1847	1853	1622	1492	1492	1359	1317	1332
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2288	1677	1610	1666	2201	2304	2346	2150	2050	1719	1430	2462	1868	1953
10 Total Generating Public Entities (Slice)	2288	1677	1610	1666	2201	2304	2346	2150	2050	1719	1430	2462	1868	1953
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4665	4665	4448	4694	5185	5770	5778	5557	5027	4836	4836	4650	4634	4867
12 Total Non-Generating Public Entities	4665	4665	4448	4694	5185	5770	5778	5557	5027	4836	4836	4650	4634	4867
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	561	411	395	408	539	565	575	527	502	421	351	603	458	479
14 Total Non-Generating Public Entities (Slice)	561	411	395	408	539	565	575	527	502	421	351	603	458	479
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	186	186	176	190	220	237	248	233	205	195	195	178	178	190
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3616	3005	2930	3105	3867	4119	4192	4003	3671	3211	2922	3821	3185	3284
23 Non-Generating Public Entities	5226	5076	4843	5102	5724	6335	6353	6084	5530	5258	5187	5253	5092	5346
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	9658	8897	8536	8866	10085	10940	10832	10390	9843	9126	8766	9823	9046	9445

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	190	190	179	194	225	242	248	221	205	196	196	178	179	190
2 Total Federal Entities	190	190	179	194	225	242	248	221	205	196	196	178	179	190
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1335	1335	1328	1473	1704	1855	1810	1698	1589	1462	1462	1331	1290	1304
8 Total Generating Public Entities	1335	1335	1328	1473	1704	1855	1810	1698	1589	1462	1462	1331	1290	1304
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2299	1688	1625	1653	2179	2305	2347	2157	2051	1715	1434	2664	2128	1824
10 Total Generating Public Entities (Slice)	2299	1688	1625	1653	2179	2305	2347	2157	2051	1715	1434	2664	2128	1824
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4733	4733	4513	4758	5251	5840	5825	5525	5075	4881	4881	4693	4677	4912
12 Total Non-Generating Public Entities	4733	4733	4513	4758	5251	5840	5825	5525	5075	4881	4881	4693	4677	4912
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	563	414	398	405	534	565	575	529	503	420	352	653	522	447
14 Total Non-Generating Public Entities (Slice)	563	414	398	405	534	565	575	529	503	420	352	653	522	447
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	190	190	179	194	225	242	248	221	205	196	196	178	179	190
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3634	3023	2953	3125	3883	4160	4157	3854	3640	3176	2896	3994	3418	3129
23 Non-Generating Public Entities	5297	5147	4912	5163	5785	6405	6400	6053	5578	5301	5232	5346	5198	5359
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	9751	8990	8632	8951	10167	11057	10845	10199	9860	9136	8786	10091	9387	9303

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	190	190	180	195	226	242	335	316	269	254	254	229	233	259
2 Total Federal Entities	190	190	180	195	226	242	335	316	269	254	254	229	233	259
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1308	1308	1300	1443	1670	1818	1850	1856	1625	1495	1495	1362	1321	1335
8 Total Generating Public Entities	1308	1308	1300	1443	1670	1818	1850	1856	1625	1495	1495	1362	1321	1335
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2314	1713	1612	1635	2184	2297	2356	2168	2085	1718	1449	2465	1871	1953
10 Total Generating Public Entities (Slice)	2314	1713	1612	1635	2184	2297	2356	2168	2085	1718	1449	2465	1871	1953
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4777	4777	4556	4802	5294	5888	5888	5667	5133	4937	4937	4750	4733	4971
12 Total Non-Generating Public Entities	4777	4777	4556	4802	5294	5888	5888	5667	5133	4937	4937	4750	4733	4971
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	567	420	395	401	535	563	577	531	511	421	355	604	459	479
14 Total Non-Generating Public Entities (Slice)	567	420	395	401	535	563	577	531	511	421	355	604	459	479
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	190	190	180	195	226	242	335	316	269	254	254	229	233	259
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3622	3021	2913	3078	3854	4115	4206	4025	3710	3213	2945	3828	3192	3288
23 Non-Generating Public Entities	5344	5197	4951	5203	5830	6451	6465	6199	5644	5358	5292	5354	5192	5449
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	9787	9037	8631	8944	10183	11058	11046	10609	10061	9287	8953	9983	9209	9621

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	249	249	235	257	304	326	335	316	269	254	254	229	233	259
2 Total Federal Entities	249	249	235	257	304	326	335	316	269	254	254	229	233	259
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1339	1339	1331	1476	1708	1859	1813	1820	1592	1465	1465	1334	1294	1308
8 Total Generating Public Entities	1339	1339	1331	1476	1708	1859	1813	1820	1592	1465	1465	1334	1294	1308
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2312	1724	1618	1674	2207	2333	2374	2184	2070	1738	1458	2675	2140	1834
10 Total Generating Public Entities (Slice)	2312	1724	1618	1674	2207	2333	2374	2184	2070	1738	1458	2675	2140	1834
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4833	4833	4610	4855	5351	5949	5932	5690	5175	4978	4978	4790	4773	5011
12 Total Non-Generating Public Entities	4833	4833	4610	4855	5351	5949	5932	5690	5175	4978	4978	4790	4773	5011
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	567	422	397	410	541	572	582	535	507	426	357	656	524	450
14 Total Non-Generating Public Entities (Slice)	567	422	397	410	541	572	582	535	507	426	357	656	524	450
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	249	249	235	257	304	326	335	316	269	254	254	229	233	259
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3651	3062	2949	3150	3915	4192	4188	4004	3663	3203	2923	4010	3433	3142
23 Non-Generating Public Entities	5400	5255	5006	5265	5892	6521	6514	6225	5682	5404	5335	5446	5297	5461
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	9930	9197	8778	9140	10385	11289	11077	10616	10051	9323	8974	10257	9556	9487

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	249	249	235	257	304	326	336	317	270	255	255	230	234	260
2 Total Federal Entities	249	249	235	257	304	326	336	317	270	255	255	230	234	260
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1312	1312	1304	1446	1674	1822	1854	1860	1629	1499	1499	1366	1325	1339
8 Total Generating Public Entities	1312	1312	1304	1446	1674	1822	1854	1860	1629	1499	1499	1366	1325	1339
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2324	1722	1622	1643	2291	2307	2278	2180	2405	1749	1448	2433	1871	1954
10 Total Generating Public Entities (Slice)	2324	1722	1622	1643	2291	2307	2278	2180	2405	1749	1448	2433	1871	1954
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4875	4875	4651	4898	5394	5997	5997	5771	5234	5035	5035	4848	4831	5073
12 Total Non-Generating Public Entities	4875	4875	4651	4898	5394	5997	5997	5771	5234	5035	5035	4848	4831	5073
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	570	422	398	403	562	565	558	534	589	429	355	596	459	479
14 Total Non-Generating Public Entities (Slice)	570	422	398	403	562	565	558	534	589	429	355	596	459	479
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	249	249	235	257	304	326	336	317	270	255	255	230	234	260
20 U.S. Bureau of Reclamation	630	630	588	468	274	250	40	70	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3636	3034	2926	3089	3965	4129	4131	4040	4034	3248	2946	3799	3195	3293
23 Non-Generating Public Entities	5444	5297	5049	5300	5956	6562	6556	6306	5823	5464	5390	5444	5290	5551
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	9959	9210	8798	9115	10498	11267	11063	10733	10564	9429	9054	10045	9311	9728

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	250	250	236	258	305	327	337	303	271	256	256	230	235	260
2 Total Federal Entities	250	250	236	258	305	327	337	303	271	256	256	230	235	260
-U.S. Bureau of Reclamation-														
3 U.S. Bureau of Reclamation	633	633	591	469	275	250	40	71	437	462	462	572	592	624
4 Total U.S. Bureau of Reclamation	633	633	591	469	275	250	40	71	437	462	462	572	592	624
-Direct Service Industry-														
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
-Generating Public Entities-														
7 Generating Public Entities	1343	1343	1335	1480	1712	1862	1817	1705	1596	1469	1469	1338	1297	1312
8 Total Generating Public Entities	1343	1343	1335	1480	1712	1862	1817	1705	1596	1469	1469	1338	1297	1312
-Generating Public Entities (Slice)-														
9 Generating Public Entities (Slice)	2311	1698	1618	1672	2224	2350	2391	2201	2078	1746	1466	2674	2138	1833
10 Total Generating Public Entities (Slice)	2311	1698	1618	1672	2224	2350	2391	2201	2078	1746	1466	2674	2138	1833
-Non-Generating Public Entities-														
11 Non-Generating Public Entities	4934	4934	4708	4955	5454	6062	6043	5737	5277	5078	5078	4891	4874	5116
12 Total Non-Generating Public Entities	4934	4934	4708	4955	5454	6062	6043	5737	5277	5078	5078	4891	4874	5116
-Non-Generating Public Entities (Slice)-														
13 Non-Generating Public Entities (Slice)	566	416	397	410	545	576	586	540	509	428	359	656	524	449
14 Total Non-Generating Public Entities (Slice)	566	416	397	410	545	576	586	540	509	428	359	656	524	449
-Investor-Owned Entities-														
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
-Other Entities-														
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
-Power Sales Contracts-														
19 Federal Entities	250	250	236	258	305	327	337	303	271	256	256	230	235	260
20 U.S. Bureau of Reclamation	633	633	591	469	275	250	40	71	437	462	462	572	592	624
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3653	3041	2953	3152	3936	4213	4208	3906	3674	3215	2935	4012	3436	3145
23 Non-Generating Public Entities	5501	5350	5105	5365	5999	6638	6629	6277	5787	5506	5437	5546	5398	5565
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	10037	9274	8885	9244	10514	11427	11214	10557	10169	9439	9090	10361	9661	9595

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Table A-23
Non-Utility Generating Resources
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2010 - 2011 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	34	34	18	34	43	34	34	34	34	34	34	50	34	29
2 Total Federal Entities	34	34	18	34	43	34	34	34	34	34	34	50	34	29
-Generating Public Entities-														
3 Generating Public Entities	202	200	150	96	53	53	53	54	18	146	146	233	253	259
4 Total Generating Public Entities	202	200	150	96	53	53	53	54	18	146	146	233	253	259
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	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
6 Total Non-Generating Public Entities	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
-Investor-Owned Entities-														
7 Investor-Owned Entities	615	615	593	565	559	548	541	549	566	602	596	651	648	632
8 Total Investor-owned Entities	615	615	593	565	559	548	541	549	566	602	596	651	648	632
-Other Entities-														
9 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
10 Total Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
-Total Non-Utility Generating Resources-														
11 Federal Entities	34	34	18	34	43	34	34	34	34	34	34	50	34	29
12 Public Entities	204	203	153	98	56	56	56	57	21	149	149	236	256	262
13 Investor-Owned Entities	615	615	593	565	559	548	541	549	566	602	596	651	648	632
14 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
15 Total Non-Utility Generation	862	860	772	705	658	638	630	640	621	785	787	945	946	931

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2011 - 2012 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	34	34	18	34	43	34	21	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	34	34	18	34	43	34	21	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	202	200	150	96	53	53	53	54	18	146	146	233	253	259
4 Total Generating Public Entities	202	200	150	96	53	53	53	54	18	146	146	233	253	259
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	2.8	2.8	2.8	2.8	2.8	2.8	24	24	24	24	24	24	24	24
6 Total Non-Generating Public Entities	2.8	2.8	2.8	2.8	2.8	2.8	24	24	24	24	24	24	24	24
-Investor-Owned Entities-														
7 Investor-Owned Entities	615	615	594	565	560	548	520	528	545	581	575	630	628	612
8 Total Investor-owned Entities	615	615	594	565	560	548	520	528	545	581	575	630	628	612
-Other Entities-														
9 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
10 Total Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
-Total Non-Utility Generating Resources-														
11 Federal Entities	34	34	18	34	43	34	21	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	204	203	153	98	56	56	77	78	42	170	170	257	277	283
13 Investor-Owned Entities	615	615	594	565	560	548	520	528	545	581	575	630	628	612
14 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
15 Total Non-Utility Generation	862	860	772	705	658	638	618	611	593	756	758	900	917	906

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2012 - 2013 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	202	200	150	96	53	53	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	202	200	150	96	53	53	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	594	594	573	544	539	527	521	529	546	582	576	631	637	612
8 Total Investor-owned Entities	594	594	573	544	539	527	521	529	546	582	576	631	637	612
-Other Entities-														
9 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
10 Total Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	227	226	176	121	78	79	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	594	594	573	544	539	527	521	529	546	582	576	631	637	612
14 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
15 Total Non-Utility Generation	833	831	759	678	622	611	608	618	600	763	765	907	932	913

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2013 - 2014 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	595	595	573	545	539	528	521	530	547	582	576	632	629	599
8 Total Investor-owned Entities	595	595	573	545	539	528	521	530	547	582	576	632	629	599
-Other Entities-														
9 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	21
10 Total Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	595	595	573	545	539	528	521	530	547	582	576	632	629	599
14 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	21
15 Total Non-Utility Generation	838	836	765	683	627	616	609	619	600	764	766	908	925	913

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2014 - 2015 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
8 Total Investor-owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2015 - 2016 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
8 Total Investor-owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2016 - 2017 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
2 Total Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
8 Total Investor-owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2017 - 2018 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	3.7	3.7	3.2	54	55	55	55	55	55	55	55	55	54	53
2 Total Federal Entities	3.7	3.7	3.2	54	55	55	55	55	55	55	55	55	54	53
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
8 Total Investor-owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	3.7	3.7	3.2	54	55	55	55	55	55	55	55	55	54	53
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	840	838	767	735	679	668	661	671	652	816	818	960	977	964

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2018 - 2019 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
2 Total Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	584	562	534	528	517	510	519	538	571	570	624	618	599
8 Total Investor-owned Entities	584	584	562	534	528	517	510	519	538	571	570	624	618	599
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	584	562	534	528	517	510	519	538	571	570	624	618	599
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	890	888	816	735	679	669	661	671	655	816	822	963	977	963

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2019 - 2020 Operating Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Federal Entities-														
1 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
2 Total Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
-Generating Public Entities-														
3 Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
4 Total Generating Public Entities	206	204	154	100	57	58	57	59	23	151	151	238	258	263
-Non-Generating Public Entities-														
5 Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6 Total Non-Generating Public Entities	26	26	26	26	26	26	26	26	26	26	26	26	26	26
-Investor-Owned Entities-														
7 Investor-Owned Entities	584	582	558	531	527	517	510	519	536	571	565	621	618	601
8 Total Investor-owned Entities	584	582	558	531	527	517	510	519	536	571	565	621	618	601
-Other Entities-														
9 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
10 Total Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
-Total Non-Utility Generating Resources-														
11 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
12 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
13 Investor-Owned Entities	584	582	558	531	527	517	510	519	536	571	565	621	618	601
14 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
15 Total Non-Utility Generation	890	887	813	732	678	668	661	671	652	816	818	960	977	964

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Table A-24
Non-Utility Generating Resources by Project and Project Type
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.6	1.6	2.1	2.8	3.3	3.1	2.9	2.8	2.8	3.0	3.0	3.7	3.4	2.5
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Elwha Hydro	15	15	4.9	13	14	13	13	13	13	13	13	13	13	9.8
45 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
47 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
49 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
50 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
51 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
52 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
53 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
54 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
55 Glines Canyon Hydro	16	16	9.6	16	24	16	16	16	16	16	16	32	16	16
56 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
57 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
58 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
59 Horseshoe Bend Hydro	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
60 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
61 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
62 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
63 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
130 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
132 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
133 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
135 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
136 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
137 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
138 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
139 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5
140 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
141 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
142 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
144 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
145 Sygitowicz Creek Small Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
147 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
149 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
150 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
151 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
153 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
154 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
155 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
156 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
158 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
159 Wisconsin Creek	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
160 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
161 Total NUG: Hydro	402	400	312	244	194	172	164	175	212	326	335	479	483	470
-NUG: Small Thermal & Misc.-														
162 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
163 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
164 Montana One	10	10	10	11	12	13	13	12	11	10	10	13	12	11
165 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Spokane MSW	21	21	21	21	21	21	21	21	21	21	21	21	21	21
167 Treasure Valley	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
168 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169 Total NUG: Small Thermal & Misc.	48	48	48	49	50	51	51	50	49	48	48	51	50	49
-NUG: Co-Generation-														
170 Billings Generation	17	17	17	18	20	21	21	20	18	17	17	21	19	18
171 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
172 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
174 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
175 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
176 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
177 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
178 Glenns Ferry Cogen Facility (Magic West)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
179 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
180 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
181 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
182 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
183 Rupert Cogen Facility (Magic Valley)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
184 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
185 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
186 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
187 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
191 West Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Total NUG: Co-Generation	380	380	380	380	382	383	384	383	329	380	372	384	382	380
-NUG: Renewables-														
193 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Bettencourt Dairy (Cargill)	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
195 Big Sky Dairy	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
196 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 DeRuyter & Son's Dairy	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
198 Dry Creek Landfill (NUG Renewable)	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
199 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Finley Buttes BioEnergy	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
201 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
203 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
207 Portland Waste Water	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
208 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
209 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
210 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
211 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
212 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
216 Federal Entities	34	34	18	34	43	34	34	34	34	34	34	50	34	29
217 Public Entities	204	203	153	98	56	56	56	57	21	149	149	236	256	262
218 Investor-Owned Entities	615	615	593	565	559	548	541	549	566	602	596	651	648	632
219 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
220 Total Non-Utility Generation	862	860	772	705	658	638	630	640	621	785	787	945	946	931

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.1	2.8	3.3	3.1	3.0	2.8	2.9	3.0	3.0	3.8	3.4	2.5
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Elwha Hydro	15	15	4.9	13	14	13	0	0	0	0	0	0	0	0
45 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
47 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
49 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
50 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
51 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
52 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
53 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
54 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
55 Glines Canyon Hydro	16	16	9.6	16	24	16	16	0	0	0	0	0	0	0
56 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
57 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
58 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
59 Horseshoe Bend Hydro	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
60 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
61 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
62 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
63 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
130 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
132 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
133 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
134 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
135 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
136 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
137 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
138 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
139 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
140 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
141 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
142 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
144 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
145 Sygitowicz Creek Small Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
147 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
149 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
150 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
151 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
153 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
154 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
155 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
156 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
157 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
158 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
159 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
160 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
161 Total NUG: Hydro	402	400	312	244	194	172	151	146	183	296	306	433	454	444
-NUG: Small Thermal & Misc.-														
162 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
163 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
164 Montana One	11	11	11	11	12	13	13	12	11	10	10	13	12	11
165 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Spokane MSW	21	21	21	21	21	21	21	21	21	21	21	21	21	21
167 Treasure Valley	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
168 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169 Total NUG: Small Thermal & Misc.	48	48	48	49	50	51	51	50	49	48	48	51	50	49
-NUG: Co-Generation-														
170 Billings Generation	17	17	17	18	20	21	21	20	18	17	17	21	19	18
171 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
172 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
174 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
175 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
176 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
177 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
178 Glenns Ferry Cogen Facility (Magic West)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
179 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
180 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
181 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
182 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
183 Rupert Cogen Facility (Magic Valley)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
184 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
185 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
186 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
187 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
191 West Point	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Total NUG: Co-Generation	380	380	380	380	383	383	384	383	329	380	372	384	382	381
-NUG: Renewables-														
193 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 Bettencourt Dairy (Cargill)	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
195 Big Sky Dairy	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
196 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 DeRuyter & Son's Dairy	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
198 Dry Creek Landfill (NUG Renewable)	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
199 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Finley Buttes BioEnergy	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
201 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
204 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
208 Portland Waste Water	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
209 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
210 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
211 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
212 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
213 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
215 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
216 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
217 Federal Entities	34	34	18	34	43	34	21	4.8	4.8	4.8	4.8	4.8	4.3	3.4
218 Public Entities	204	203	153	98	56	56	77	78	42	170	170	257	277	283
219 Investor-Owned Entities	615	615	594	565	560	548	520	528	545	581	575	630	628	612
220 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
221 Total Non-Utility Generation	862	860	772	705	658	638	618	611	593	756	758	900	917	906

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.1	2.9	3.3	3.1	3	2.9	2.9	3	3	3.8	4.3	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.7	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 Sygitowicz Creek Small Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
145 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
147 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
148 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
149 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
151 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
152 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
153 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
154 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
155 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
156 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
157 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
158 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
159 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	296	306	433	455	444
-NUG: Small Thermal & Misc.-														
160 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
161 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162 Montana One	11	11	11	11	12	13	13	13	11	11	11	13	15	11
163 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
165 Treasure Valley	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
166 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 Total NUG: Small Thermal & Misc.	50	50	50	51	52	53	53	52	51	50	50	53	55	51
-NUG: Co-Generation-														
168 Billings Generation	17	17	17	18	20	21	22	21	18	17	17	22	24	18
169 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
170 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
172 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
173 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
174 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
175 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 Glenns Ferry Cogen Facility (Magic West)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
177 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
178 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
179 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
180 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
181 Rupert Cogen Facility (Magic Valley)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
182 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
183 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
184 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
185 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
186 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 West Point	0	0	0	0	0	0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
190 Total NUG: Co-Generation	380	380	380	381	383	384	389	388	334	385	377	389	391	385
-NUG: Renewables-														
191 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Bettencourt Dairy (Cargill)	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
193 Big Sky Dairy	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
194 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 DeRuyter & Son's Dairy	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
196 Dry Creek Landfill (NUG Renewable)	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
197 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Finley Buttes BioEnergy	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
199 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
202 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
206 Portland Waste Water	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
207 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
208 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
209 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
210 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
211 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
215 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
216 Public Entities	227	226	176	121	78	79	83	85	49	177	177	263	284	289
217 Investor-Owned Entities	594	594	573	544	539	527	521	529	546	582	576	631	637	612
218 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
219 Total Non-Utility Generation	833	831	759	678	622	611	608	618	600	763	765	907	932	913

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 Sygitowicz Creek Small Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
145 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
147 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
148 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
149 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
150 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
151 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
152 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
153 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
154 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
155 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
156 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
157 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
158 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
159 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
160 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
161 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
163 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
165 Treasure Valley	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
166 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
168 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
169 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
170 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
172 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
173 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
174 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
175 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 Glenns Ferry Cogen Facility (Magic West)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
177 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
178 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
179 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
180 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
181 Rupert Cogen Facility (Magic Valley)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
182 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
183 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
184 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
185 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
186 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
188 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
190 Total NUG: Co-Generation	385	385	385	385	388	389	389	388	334	385	378	390	387	385
-NUG: Renewables-														
191 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
192 Bettencourt Dairy (Cargill)	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
193 Big Sky Dairy	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
194 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195 DeRuyter & Son's Dairy	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
196 Dry Creek Landfill (NUG Renewable)	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
197 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
198 Finley Buttes BioEnergy	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
199 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
201 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
202 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
206 Portland Waste Water	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
207 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
208 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
209 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
210 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
211 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
215 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
216 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
217 Investor-Owned Entities	595	595	573	545	539	528	521	530	547	582	576	632	629	599
218 Other Entities	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	21
219 Total Non-Utility Generation	838	836	765	683	627	616	609	619	600	764	766	908	925	913

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
214 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
214 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	32	32	32	32	32	32	32	32	32	32	32	32	32	32
-Total Non-Utility Generating Resources-														
214 Federal Entities	3.7	3.7	3.2	4.3	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3	3.4
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	840	838	767	685	629	618	611	621	602	766	768	910	927	915

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	369	297	214	156	143	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	0	0	0	50	50	50	50	50	50	50	50	50	50	50
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	32	32	32	82	82	82	82	82	82	82	82	82	82	82
-Total Non-Utility Generating Resources-														
214 Federal Entities	3.7	3.7	3.2	54	55	55	55	55	55	55	55	55	54	53
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	584	562	534	528	517	510	519	536	571	565	621	618	601
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	840	838	767	735	679	668	661	671	652	816	818	960	977	964

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0.1	2.9	2.9	7	8.2	8.7	8.3
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.9
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	369	297	214	156	144	135	146	186	297	311	436	454	443
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	82	82	82	82	82	82	82	82	82	82	82	82	82	82
-Total Non-Utility Generating Resources-														
214 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	584	562	534	528	517	510	519	538	571	570	624	618	599
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	890	888	816	735	679	669	661	671	655	816	822	963	977	963

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-NUG: Hydro-														
1 Albany	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2 Barber Dam	3	3	2.4	1.1	0.4	1.2	2.7	3.3	4.1	4.1	4.1	4.0	4.1	4.1
3 Barney Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
6 Big Sheep Creek	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
7 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 Birch Creek (Clark County)	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0
9 Birch Creek (Gooding County)	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
10 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
11 Black Creek	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
12 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7
13 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
14 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
15 Boyd James	0	0	0	0	0	0.4	0.3	0.6	0.7	0.8	0.8	0.5	0	0
16 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6
17 Broadwater Dam	1.7	1.7	2.2	2.9	3.3	3.2	3.1	2.9	3.0	3.1	3.1	3.9	3.5	2.6
18 Buffalo Hydro	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
19 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Bypass	8.3	6.5	2.8	1.0	0	0	0	0	0.1	2.9	2.9	7	8.2	8.7
21 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 Carlton	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CDM-Felt Hydroelectric Plant	2.9	2.9	3.1	2.8	2.9	2.4	1.8	2	2.7	2.7	2.7	4.4	5.8	4.1
25 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3
26 Central OR Irrigation District (Siphon)	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
27 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4
28 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8
30 Crystal Springs	2.1	2.1	2.4	2.4	2.4	0.8	0.8	0.9	1.3	1.3	1.3	1.3	2.2	2.1
31 Curry Cattle Co.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2
32 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2
37 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5
38 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 Dworshak/Clearwater Small Hydropower	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 Eagle Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Elk Creek	1.9	1.9	0	0	0	0.2	0.2	0.2	1.6	1.7	1.7	1.6	2	1.9
43 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2
44 Estacada	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Fall Creek (OR) (Frontier Technologies)	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0
46 Falls Creek (WA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1
48 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7
49 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8
50 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
51 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5
52 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0
53 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0
54 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
55 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
56 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0
57 Horseshoe Bend Hydro	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
58 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
59 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
60 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1
61 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4
62 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
63 Joseph Hydro	1.5	1.5	0.9	0.4	0.1	0.1	0.1	0	0	0.1	0.1	0.2	1.2	2.7

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

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
129 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4
130 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1
131 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
132 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3
133 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6
134 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0
135 Snedigar Ranch	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
136 Solar Research	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1
137 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5
138 Spokane Upriver	16	16	16	16	16	16	16	16	16	16	16	16	16	16
139 Stauffer Dry Creek	0.9	1	0.8	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1
140 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87
142 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
143 TGS/Briggs	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.2	0.1
144 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145 Thompson Mill (Boston Power)	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
146 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4
147 Tieton (Yakima)	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8
148 Trout Co.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
149 Tunnel #1	5	5	3	0.6	0	0	0	0	2.8	6	6	6.9	6.9	7
150 Twin Falls	20	20	20	20	20	20	20	20	20	20	20	20	20	20
151 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8
152 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1
153 Weeks Falls	5	5	5	5	5	5	5	5	5	5	5	5	5	5
154 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6
156 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0
157 Woods Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
158 Total NUG: Hydro	371	367	293	212	155	144	135	146	183	297	306	433	454	444
-NUG: Small Thermal & Misc.-														
159 Covanta Marion Solid Waste	13	13	13	13	13	13	13	13	13	13	13	13	13	13
160 Methane Energy Agricultural D.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
161 Montana One	11	11	11	11	12	13	13	13	12	11	11	14	12	11
162 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
163 Spokane MSW	23	23	23	23	23	23	23	23	23	23	23	23	23	23
164 Treasure Valley	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
165 West Boise Waste	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166 Total NUG: Small Thermal & Misc.	51	51	51	51	52	53	53	53	51	51	51	53	52	51
-NUG: Co-Generation-														
167 Billings Generation	18	18	18	18	20	21	22	21	19	18	18	22	20	18
168 Biomass One	25	25	25	25	25	25	25	25	25	25	25	25	25	25
169 Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170 Champion	3	3	3	3	3	3	3	3	3	3	3	3	3	3
171 Cogen Co	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
172 DR Johnson - Co-Gen II	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	0	7.5	7.5	7.5
173 Everett Cogen Project (Kimberly Clark)	52	52	52	52	52	52	52	52	0	52	52	52	52	52
174 Evergreen Biopower Cogen (Freres)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
175 Glenns Ferry Cogen Facility (Magic West)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
176 March Point #1	80	80	80	80	80	80	80	80	80	80	80	80	80	80
177 March Point #2	65	65	65	65	65	65	65	65	65	65	65	65	65	65
178 Potlatch Contract Renewal	75	75	75	75	75	75	75	75	75	75	75	75	75	75
179 Rough & Ready Lumber	1	1	1	1	1	1	1	1	1	1	1	1	1	1
180 Rupert Cogen Facility (Magic Valley)	10	10	10	10	10	10	10	10	10	10	10	10	10	10
181 Simplot Pocatello	9	9	9	9	9	9	9	9	9	9	9	9	9	9
182 Stimson Lumber (formerly Haley West)	4.4	4.4	4.3	4.0	4.5	4.1	4.2	4.4	4.5	4.3	4.3	4.1	4	4
183 Tamarack	4	4	4	4	4	4	4	4	4	4	4	4	4	4
184 TASCO Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
185 TASCO Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
186 Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
187 Warm Springs	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 West Point	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
189 Total NUG: Co-Generation	387	387	387	387	390	391	391	390	336	387	380	392	389	387
-NUG: Renewables-														
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Bettencourt Dairy (Cargill)	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
192 Big Sky Dairy	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
193 Chinook Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
194 DeRuyter & Son's Dairy	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
195 Dry Creek Landfill (NUG Renewable)	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
196 Emmett Biomass Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
197 Finley Buttes BioEnergy	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
198 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50
199 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
201 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
202 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
203 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Pine Products Corp	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
205 Portland Waste Water	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
206 Puyallup Energy Recovery (PERC)	2	2	2	2	2	2	2	2	2	2	2	2	2	2
207 Qualco Dairy Digester	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
208 Raft River Geothermal Phase 1	13	13	13	13	13	13	13	13	13	13	13	13	13	13
209 VanderHaak Dairy	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
210 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Wild Horse Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Total NUG: Renewables	82	82	82	82	82	82	82	82	82	82	82	82	82	82
-Total Non-Utility Generating Resources-														
214 Federal Entities	54	54	53	54	55	55	55	55	55	55	55	55	54	53
215 Public Entities	232	230	180	126	83	84	83	85	49	177	177	263	284	289
216 Investor-Owned Entities	584	582	558	531	527	517	510	519	536	571	565	621	618	601
217 Other Entities	21	21	21	21	13	13	13	13	13	13	21	21	21	21
218 Total Non-Utility Generation	890	887	813	732	678	668	661	671	652	816	818	960	977	964

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Table A-26
Dedicated Resources
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	4807	4765	4452	4485	4510	4657	4478	4411	4210	4065	3978	4301	4853	4662
2 Total Generating Public Entities	4807	4765	4452	4485	4510	4657	4478	4411	4210	4065	3978	4301	4853	4662
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	92	92	100	99	101	100	99	100	105	98	98	96	95	95
4 Total Non-Generating Public Entities	92	92	100	99	101	100	99	100	105	98	98	96	95	95
-Investor-Owned Entities-														
5 Investor-Owned Enities	12223	12173	12353	12181	12211	12308	12101	12119	12047	11950	11674	12150	12030	12432
6 Total Investor-owned Entities	12223	12173	12353	12181	12211	12308	12101	12119	12047	11950	11674	12150	12030	12432
-Total Dedicated Resources-														
7 Generating Public Entities	4807	4765	4452	4485	4510	4657	4478	4411	4210	4065	3978	4301	4853	4662
8 Small & Non Generating Entities	92	92	100	99	101	100	99	100	105	98	98	96	95	95
9 Investor-Owned Entities	12223	12173	12353	12181	12211	12308	12101	12119	12047	11950	11674	12150	12030	12432
10 Regional Total Dedicated Resources	17121	17030	16905	16765	16823	17065	16678	16630	16363	16113	15750	16548	16978	17190

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	4786	4744	4395	4384	4848	4893	4941	4873	4645	4714	4666	4532	5402	5237
2 Total Generating Public Entities	4786	4744	4395	4384	4848	4893	4941	4873	4645	4714	4666	4532	5402	5237
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	95	95	102	101	102	102	102	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	95	95	102	101	102	102	102	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	12222	12172	11777	11155	10898	11070	10888	10892	10771	11030	10850	10318	10690	10953
6 Total Investor-owned Entities	12222	12172	11777	11155	10898	11070	10888	10892	10771	11030	10850	10318	10690	10953
-Total Dedicated Resources-														
7 Generating Public Entities	4786	4744	4395	4384	4848	4893	4941	4873	4645	4714	4666	4532	5402	5237
8 Small & Non Generating Entities	95	95	102	101	102	102	102	103	107	94	94	94	94	94
9 Investor-Owned Entities	12222	12172	11777	11155	10898	11070	10888	10892	10771	11030	10850	10318	10690	10953
10 Regional Total Dedicated Resources	17103	17011	16274	15641	15848	16065	15930	15867	15524	15838	15610	14944	16185	16284

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5196	5153	4879	4808	4866	4911	4964	4896	4665	4732	4683	4550	5419	5241
2 Total Generating Public Entities	5196	5153	4879	4808	4866	4911	4964	4896	4665	4732	4683	4550	5419	5241
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10743	10732	10911	10448	10718	10890	10729	10732	10612	10966	10787	10259	10438	10951
6 Total Investor-owned Entities	10743	10732	10911	10448	10718	10890	10729	10732	10612	10966	10787	10259	10438	10951
-Total Dedicated Resources-														
7 Generating Public Entities	5196	5153	4879	4808	4866	4911	4964	4896	4665	4732	4683	4550	5419	5241
8 Small & Non Generating Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
9 Investor-Owned Entities	10743	10732	10911	10448	10718	10890	10729	10732	10612	10966	10787	10259	10438	10951
10 Regional Total Dedicated Resources	16033	15979	15894	15358	15686	15903	15794	15730	15384	15792	15564	14903	15951	16286

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5200	5156	4883	4812	4870	4916	4964	4895	4664	4733	4685	4552	5421	5242
2 Total Generating Public Entities	5200	5156	4883	4812	4870	4916	4964	4895	4664	4733	4685	4552	5421	5242
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10742	10731	10910	10447	10717	10889	10728	10731	10611	10967	10257	9629	10531	10938
6 Total Investor-owned Entities	10742	10731	10910	10447	10717	10889	10728	10731	10611	10967	10257	9629	10531	10938
-Total Dedicated Resources-														
7 Generating Public Entities	5200	5156	4883	4812	4870	4916	4964	4895	4664	4733	4685	4552	5421	5242
8 Small & Non Generating Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
9 Investor-Owned Entities	10742	10731	10910	10447	10717	10889	10728	10731	10611	10967	10257	9629	10531	10938
10 Regional Total Dedicated Resources	16035	15981	15896	15360	15689	15906	15793	15729	15382	15794	15036	14274	16045	16274

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5201	5158	4884	4814	4875	4920	4968	4900	4666	4735	4687	4553	5422	5244
2 Total Generating Public Entities	5201	5158	4884	4814	4875	4920	4968	4900	4666	4735	4687	4553	5422	5244
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10731	10719	10899	10436	10706	10877	10717	10720	10599	10858	10678	10248	10418	10940
6 Total Investor-owned Entities	10731	10719	10899	10436	10706	10877	10717	10720	10599	10858	10678	10248	10418	10940
-Total Dedicated Resources-														
7 Generating Public Entities	5201	5158	4884	4814	4875	4920	4968	4900	4666	4735	4687	4553	5422	5244
8 Small & Non Generating Entities	94	94	103	101	102	102	102	103	107	94	94	94	94	94
9 Investor-Owned Entities	10731	10719	10899	10436	10706	10877	10717	10720	10599	10858	10678	10248	10418	10940
10 Regional Total Dedicated Resources	16025	15971	15886	15351	15682	15899	15786	15722	15373	15687	15459	14895	15935	16277

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5203	5160	4886	4817	4880	4926	4974	4906	4669	4548	4500	4742	5423	5245
2 Total Generating Public Entities	5203	5160	4886	4817	4880	4926	4974	4906	4669	4548	4500	4742	5423	5245
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10730	10719	10898	10435	10705	10877	10716	10719	10599	10372	9662	10730	10519	10939
6 Total Investor-owned Entities	10730	10719	10898	10435	10705	10877	10716	10719	10599	10372	9662	10730	10519	10939
-Total Dedicated Resources-														
7 Generating Public Entities	5203	5160	4886	4817	4880	4926	4974	4906	4669	4548	4500	4742	5423	5245
8 Small & Non Generating Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
9 Investor-Owned Entities	10730	10719	10898	10435	10705	10877	10716	10719	10599	10372	9662	10730	10519	10939
10 Regional Total Dedicated Resources	16026	15972	15887	15353	15687	15904	15791	15727	15375	15014	14256	15565	16036	16277

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5189	5145	4872	4797	4845	4891	4938	4870	4649	4535	4486	4728	5410	5231
2 Total Generating Public Entities	5189	5145	4872	4797	4845	4891	4938	4870	4649	4535	4486	4728	5410	5231
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10730	10718	10898	10435	10705	10876	10557	10562	10444	10319	10140	10580	10371	10794
6 Total Investor-owned Entities	10730	10718	10898	10435	10705	10876	10557	10562	10444	10319	10140	10580	10371	10794
-Total Dedicated Resources-														
7 Generating Public Entities	5189	5145	4872	4797	4845	4891	4938	4870	4649	4535	4486	4728	5410	5231
8 Small & Non Generating Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
9 Investor-Owned Entities	10730	10718	10898	10435	10705	10876	10557	10562	10444	10319	10140	10580	10371	10794
10 Regional Total Dedicated Resources	16012	15957	15873	15333	15652	15869	15597	15535	15199	14948	14719	15401	15874	16118

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5181	5138	4864	4785	4826	4871	4919	4851	4637	4714	4665	4532	5401	5222
2 Total Generating Public Entities	5181	5138	4864	4785	4826	4871	4919	4851	4637	4714	4665	4532	5401	5222
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
4 Total Non-Generating Public Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
-Investor-Owned Entities-														
5 Investor-Owned Enities	10584	10573	10750	10283	10549	10718	10557	10562	10443	10704	10524	9566	10370	10793
6 Total Investor-owned Entities	10584	10573	10750	10283	10549	10718	10557	10562	10443	10704	10524	9566	10370	10793
-Total Dedicated Resources-														
7 Generating Public Entities	5181	5138	4864	4785	4826	4871	4919	4851	4637	4714	4665	4532	5401	5222
8 Small & Non Generating Entities	94	94	103	101	102	101	101	103	107	94	94	94	94	94
9 Investor-Owned Entities	10584	10573	10750	10283	10549	10718	10557	10562	10443	10704	10524	9566	10370	10793
10 Regional Total Dedicated Resources	15859	15804	15717	15169	15476	15691	15577	15515	15188	15511	15283	14192	15865	16109

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5179	5136	5375	5296	5336	5382	5430	5361	5148	5224	5176	5043	5912	5733
2 Total Generating Public Entities	5179	5136	5375	5296	5336	5382	5430	5361	5148	5224	5176	5043	5912	5733
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	94	94	112	110	110	110	110	111	116	102	102	102	102	102
4 Total Non-Generating Public Entities	94	94	112	110	110	110	110	111	116	102	102	102	102	102
-Investor-Owned Entities-														
5 Investor-Owned Enities	10583	10572	10229	9762	10028	10197	9835	9840	9724	10079	9904	9377	9648	10069
6 Total Investor-owned Entities	10583	10572	10229	9762	10028	10197	9835	9840	9724	10079	9904	9377	9648	10069
-Total Dedicated Resources-														
7 Generating Public Entities	5179	5136	5375	5296	5336	5382	5430	5361	5148	5224	5176	5043	5912	5733
8 Small & Non Generating Entities	94	94	112	110	110	110	110	111	116	102	102	102	102	102
9 Investor-Owned Entities	10583	10572	10229	9762	10028	10197	9835	9840	9724	10079	9904	9377	9648	10069
10 Regional Total Dedicated Resources	15856	15802	15716	15167	15475	15689	15374	15313	14988	15406	15182	14522	15662	15905

Table A-26: Dedicated Resources
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	5690	5647	5373	5294	5335	5380	5428	5360	5146	5223	5174	5041	5910	5731
2 Total Generating Public Entities	5690	5647	5373	5294	5335	5380	5428	5360	5146	5223	5174	5041	5910	5731
-Non-Generating Public Entities-														
3 Non-Generating Public Enities	102	102	112	110	110	110	110	111	116	102	102	102	102	102
4 Total Non-Generating Public Entities	102	102	112	110	110	110	110	111	116	102	102	102	102	102
-Investor-Owned Entities-														
5 Investor-Owned Enities	9861	9848	10023	9558	9825	9996	9834	9839	9720	10079	9369	8844	9648	10071
6 Total Investor-owned Entities	9861	9848	10023	9558	9825	9996	9834	9839	9720	10079	9369	8844	9648	10071
-Total Dedicated Resources-														
7 Generating Public Entities	5690	5647	5373	5294	5335	5380	5428	5360	5146	5223	5174	5041	5910	5731
8 Small & Non Generating Entities	102	102	112	110	110	110	110	111	116	102	102	102	102	102
9 Investor-Owned Entities	9861	9848	10023	9558	9825	9996	9834	9839	9720	10079	9369	8844	9648	10071
10 Regional Total Dedicated Resources	15654	15597	15508	14962	15270	15486	15372	15310	14982	15404	14646	13987	15660	15904

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Table A-27
Other Dedicated Resources
Monthly OY 2011 – 2020
1-Hour Capacity in Megawatts

Power Services

Reports Powered by:

Loads and Resources Information System

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	4668	4396	4511	4793	5658	6110	6061	5832	5489	4786	4592	4745	4441	4997
2 Total Generating Public Entities	4668	4396	4511	4793	5658	6110	6061	5832	5489	4786	4592	4745	4441	4997
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	4894	4730	4746	5075	5691	6294	6361	6031	5510	5142	5025	4940	4690	5036
4 Total Non-Generating Public Entities	4894	4730	4746	5075	5691	6294	6361	6031	5510	5142	5025	4940	4690	5036
-Investor-Owned Entities-														
5 Investor-Owned Enities	6899	6898	6770	7107	8012	8494	8267	8180	7564	7468	7384	5831	6398	6649
6 Total Investor-owned Entities	6899	6898	6770	7107	8012	8494	8267	8180	7564	7468	7384	5831	6398	6649
-Total Dedicated Resources-														
7 Generating Public Entities	4668	4396	4511	4793	5658	6110	6061	5832	5489	4786	4592	4745	4441	4997
8 Non Generating Entities	4894	4730	4746	5075	5691	6294	6361	6031	5510	5142	5025	4940	4690	5036
9 Investor-Owned Entities	6899	6898	6770	7107	8012	8494	8267	8180	7564	7468	7384	5831	6398	6649
10 Regional Total Dedicated Resources	16460	16025	16027	16976	19362	20899	20688	20043	18563	17395	17001	15516	15529	16682

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	4978	4647	4554	841	884	911	909	910	921	923	926	906	866	876
2 Total Generating Public Entities	4978	4647	4554	841	884	911	909	910	921	923	926	906	866	876
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	4956	4757	4767	177	175	179	179	178	177	177	177	131	157	154
4 Total Non-Generating Public Entities	4956	4757	4767	177	175	179	179	178	177	177	177	131	157	154
-Investor-Owned Entities-														
5 Investor-Owned Enities	6493	6494	6364	6876	7600	7932	7912	7832	7140	6401	6318	5153	6590	6660
6 Total Investor-owned Entities	6493	6494	6364	6876	7600	7932	7912	7832	7140	6401	6318	5153	6590	6660
-Total Dedicated Resources-														
7 Generating Public Entities	4978	4647	4554	841	884	911	909	910	921	923	926	906	866	876
8 Non Generating Entities	4956	4757	4767	177	175	179	179	178	177	177	177	131	157	154
9 Investor-Owned Entities	6493	6494	6364	6876	7600	7932	7912	7832	7140	6401	6318	5153	6590	6660
10 Regional Total Dedicated Resources	16427	15898	15685	7894	8658	9021	8999	8920	8238	7500	7420	6190	7614	7690

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	867	866	845	856	884	911	908	910	921	922	926	906	866	876
2 Total Generating Public Entities	867	866	845	856	884	911	908	910	921	922	926	906	866	876
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	159	159	171	177	175	179	183	182	181	181	181	136	162	158
4 Total Non-Generating Public Entities	159	159	171	177	175	179	183	182	181	181	181	136	162	158
-Investor-Owned Entities-														
5 Investor-Owned Enities	6503	6502	6373	6900	7594	7776	7752	7672	7159	6516	6433	5653	6172	6476
6 Total Investor-owned Entities	6503	6502	6373	6900	7594	7776	7752	7672	7159	6516	6433	5653	6172	6476
-Total Dedicated Resources-														
7 Generating Public Entities	867	866	845	856	884	911	908	910	921	922	926	906	866	876
8 Non Generating Entities	159	159	171	177	175	179	183	182	181	181	181	136	162	158
9 Investor-Owned Entities	6503	6502	6373	6900	7594	7776	7752	7672	7159	6516	6433	5653	6172	6476
10 Regional Total Dedicated Resources	7529	7527	7390	7933	8652	8865	8843	8764	8261	7619	7540	6694	7200	7511

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	867	866	845	856	884	911	908	910	921	922	926	906	876	886
2 Total Generating Public Entities	867	866	845	856	884	911	908	910	921	922	926	906	876	886
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	163	163	176	182	179	183	183	182	181	181	181	136	162	158
4 Total Non-Generating Public Entities	163	163	176	182	179	183	183	182	181	181	181	136	162	158
-Investor-Owned Entities-														
5 Investor-Owned Enities	6318	6318	6267	6775	7468	7651	7631	7551	7038	6992	6436	5387	6142	6439
6 Total Investor-owned Entities	6318	6318	6267	6775	7468	7651	7631	7551	7038	6992	6436	5387	6142	6439
-Total Dedicated Resources-														
7 Generating Public Entities	867	866	845	856	884	911	908	910	921	922	926	906	876	886
8 Non Generating Entities	163	163	176	182	179	183	183	182	181	181	181	136	162	158
9 Investor-Owned Entities	6318	6318	6267	6775	7468	7651	7631	7551	7038	6992	6436	5387	6142	6439
10 Regional Total Dedicated Resources	7348	7347	7289	7812	8531	8745	8722	8643	8140	8095	7543	6428	7180	7483

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	877	876	855	866	894	921	913	915	926	905	909	889	849	859
2 Total Generating Public Entities	877	876	855	866	894	921	913	915	926	905	909	889	849	859
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	163	163	177	182	179	183	188	187	186	186	186	141	166	163
4 Total Non-Generating Public Entities	163	163	177	182	179	183	188	187	186	186	186	141	166	163
-Investor-Owned Entities-														
5 Investor-Owned Enities	6313	6313	6284	6792	7485	7645	7725	7646	7132	6442	5887	5752	6239	6545
6 Total Investor-owned Entities	6313	6313	6284	6792	7485	7645	7725	7646	7132	6442	5887	5752	6239	6545
-Total Dedicated Resources-														
7 Generating Public Entities	877	876	855	866	894	921	913	915	926	905	909	889	849	859
8 Non Generating Entities	163	163	177	182	179	183	188	187	186	186	186	141	166	163
9 Investor-Owned Entities	6313	6313	6284	6792	7485	7645	7725	7646	7132	6442	5887	5752	6239	6545
10 Regional Total Dedicated Resources	7353	7352	7316	7839	8558	8749	8826	8748	8244	7533	6982	6781	7255	7567

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	850	849	828	839	867	894	891	893	904	905	909	889	849	859
2 Total Generating Public Entities	850	849	828	839	867	894	891	893	904	905	909	889	849	859
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
4 Total Non-Generating Public Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
-Investor-Owned Entities-														
5 Investor-Owned Enities	6418	6418	6388	6896	7514	7675	7654	7575	7136	6617	6534	5535	6295	6601
6 Total Investor-owned Entities	6418	6418	6388	6896	7514	7675	7654	7575	7136	6617	6534	5535	6295	6601
-Total Dedicated Resources-														
7 Generating Public Entities	850	849	828	839	867	894	891	893	904	905	909	889	849	859
8 Non Generating Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
9 Investor-Owned Entities	6418	6418	6388	6896	7514	7675	7654	7575	7136	6617	6534	5535	6295	6601
10 Regional Total Dedicated Resources	7436	7434	7398	7921	8565	8757	8733	8655	8226	7708	7628	6565	7310	7624

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2016 - 2017 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	850	849	828	839	867	894	888	890	901	902	905	885	846	856
2 Total Generating Public Entities	850	849	828	839	867	894	888	890	901	902	905	885	846	856
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
4 Total Non-Generating Public Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
-Investor-Owned Entities-														
5 Investor-Owned Enities	6472	6472	6443	6950	7519	7680	7500	7423	6985	6940	6100	5661	6448	6462
6 Total Investor-owned Entities	6472	6472	6443	6950	7519	7680	7500	7423	6985	6940	6100	5661	6448	6462
-Total Dedicated Resources-														
7 Generating Public Entities	850	849	828	839	867	894	888	890	901	902	905	885	846	856
8 Non Generating Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
9 Investor-Owned Entities	6472	6472	6443	6950	7519	7680	7500	7423	6985	6940	6100	5661	6448	6462
10 Regional Total Dedicated Resources	7491	7489	7452	7976	8570	8761	8576	8500	8072	8027	7192	6687	7460	7481

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2017 - 2018 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	871	870	849	859	887	911	909	911	925	926	930	909	870	880
2 Total Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	909	870	880
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
4 Total Non-Generating Public Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
-Investor-Owned Entities-														
5 Investor-Owned Enities	6333	6333	6300	6803	7285	7445	7422	7346	6948	5975	5420	5395	6453	6469
6 Total Investor-owned Entities	6333	6333	6300	6803	7285	7445	7422	7346	6948	5975	5420	5395	6453	6469
-Total Dedicated Resources-														
7 Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	909	870	880
8 Non Generating Entities	168	168	181	187	184	188	188	187	186	186	186	141	166	164
9 Investor-Owned Entities	6333	6333	6300	6803	7285	7445	7422	7346	6948	5975	5420	5395	6453	6469
10 Regional Total Dedicated Resources	7372	7370	7330	7849	8357	8544	8519	8443	8059	7087	6535	6445	7490	7512

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2018 - 2019 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
2 Total Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
4 Total Non-Generating Public Entities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
-Investor-Owned Entities-														
5 Investor-Owned Enities	6338	6338	6304	6807	7289	7449	7426	7350	6951	6433	6350	5670	6165	6474
6 Total Investor-owned Entities	6338	6338	6304	6807	7289	7449	7426	7350	6951	6433	6350	5670	6165	6474
-Total Dedicated Resources-														
7 Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
8 Non Generating Entities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
9 Investor-Owned Entities	6338	6338	6304	6807	7289	7449	7426	7350	6951	6433	6350	5670	6165	6474
10 Regional Total Dedicated Resources	7377	7375	7334	7853	8361	8548	8523	8447	8062	7545	7465	6764	7202	7518

Table A-27: Other Dedicated Resources
PNW Loads and Resource Study
2019 - 2020 Operating Year
1937 Water Year
[67] 2010 White Book (Final)

5/1/2010

Capacity (MW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
-Generating Public Entities-														
1 Generating Public Enities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
2 Total Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
-Non-Generating Public Entities-														
3 Small & Non Generating Public Enities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
4 Total Non-Generating Public Entities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
-Investor-Owned Entities-														
5 Investor-Owned Enities	6342	6342	6308	6811	7212	7371	7348	7272	6914	6868	6313	5404	6171	6481
6 Total Investor-owned Entities	6342	6342	6308	6811	7212	7371	7348	7272	6914	6868	6313	5404	6171	6481
-Total Dedicated Resources-														
7 Generating Public Entities	871	870	849	859	887	911	909	911	925	926	930	931	870	880
8 Non Generating Entities	168	168	181	187	184	188	188	187	186	186	186	163	166	164
9 Investor-Owned Entities	6342	6342	6308	6811	7212	7371	7348	7272	6914	6868	6313	5404	6171	6481
10 Regional Total Dedicated Resources	7381	7379	7338	7857	8283	8471	8445	8370	8025	7980	7428	6497	7208	7524

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