2006 Pacific Northwest Loads & Resources Study

Operating Years 2007 through 2016

Technical Appendix Volume 1: Energy Analysis

March 2006

2006 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

The White Book

TECHNICAL APPENDIX

VOLUME 1

ENERGY ANALYSIS

**BONNEVILLE POWER ADMINISTRATION
March 2006**

Cover Picture:

Source: BPA Photo archive

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

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

ACKNOWLEDGMENTS

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

Bonneville Power Administration

Generation Supply: Regional Coordination Group

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

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

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

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Loads and Resources Information System

2006 Pacific Northwest Loads and Resources
For Operating Years 2007 Through 2016
Technical Appendix, Volume 1
Energy Analysis

Table of Contents

Annual Energy for OY 2007 through 2016		Page
Section 1	Annual Federal Loads & Resources Tables	1
Section 2	Annual Regional Loads & Resources Tables	5
Section 3	Annual A-Tables	9
Monthly Energy for OY 2007 through 2016		
Section 4	Monthly Federal Loads & Resources Tables	81
Section 5	Monthly Regional Loads & Resources Tables	95
Section 6	Monthly Federal 50-Water Year Tables	109
Section 7	Monthly Regional 50-Water Year Tables	123
Section 8	Monthly A-Tables	137

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

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Loads & Resources Federal Table
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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Loads and Resources Information System

Loads and Resources - Federal System
PNW Loads and Resource Study
2007 - 2016 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
Non-Utility Obligations										
<i>Fed. Agencies 2002 PSC</i>	123	129	139	141	142	142	143	144	145	147
<i>USBR 2002 PSC</i>	160	160	160	160	160	160	160	160	160	160
<i>DSI 2002 PSC</i>	44	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	328	289	299	301	302	303	303	304	306	307
Transfers Out										
<i>NGP 2002 PSC</i>	2963	3037	3072	3096	3129	3139	3161	3195	3230	3263
<i>GPU 2002 PSC</i>	2351	2334	2353	2371	2389	2303	2308	2340	2374	2404
<i>NGP 2002 Slice PSC</i>	592	604	600	608	603	614	606	618	609	621
<i>GPU 2002 Slice PSC</i>	987	1007	1000	1013	1004	1022	1009	1029	1015	1035
<i>IOU 2002 PSC</i>	64	0	0	0	0	0	0	0	0	0
<i>Exports</i>	690	647	598	691	652	600	581	570	558	539
<i>Regional Transfers (Out)</i>	409	387	387	387	387	202	184	178	178	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8056	8015	8011	8166	8164	7881	7849	7930	7965	8041
<i>Total Firm Obligations</i>	8383	8305	8310	8468	8466	8183	8152	8234	8271	8348
Hydro Resources										
<i>Regulated Hydro</i>	6383	6405	6460	6486	6493	6498	6512	6526	6537	6548
<i>Independent Hydro</i>	359	356	356	356	356	356	356	356	356	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	134	131	132	138	140	139	137	136	134	133
<i>Total Hydro Resources</i>	6877	6892	6948	6980	6989	6992	7005	7018	7027	7037
Other Resources										
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	23	23	23	23	23	23	23	23	23	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	226	199	184	183	175	175	175	175	175	171
<i>Regional Transfers (In)</i>	522	286	285	276	276	105	90	90	84	84
<i>Large Thermal</i>	877	1000	877	1000	877	1000	877	1000	877	1000
<i>Non-Utility Generation</i>	78	77	78	98	104	104	104	104	104	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1725	1585	1447	1580	1455	1407	1269	1392	1263	1382
<i>Total Resources</i>	8601	8477	8395	8561	8444	8400	8274	8410	8290	8418
Reserves & Maintenance										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-243	-239	-237	-241	-238	-237	-233	-237	-234	-237
<i>Total Reserves, Maintenance & Losses</i>	-243	-239	-237	-241	-238	-237	-233	-237	-234	-237
<i>Total Net Resources</i>	8359	8238	8158	8319	8206	8163	8040	8172	8056	8181
<i>Total Firm Surplus/Deficit</i>	-24	-66	-152	-148	-260	-21	-111	-62	-215	-167

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

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Loads & Resources Regional Table
Annual OY 2007 – 2016
Average Energy in Megawatts

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Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<u>Firm Regional Loads</u>										
<i>Regional Firm Loads</i>	20637	21065	21371	21641	21922	22166	22488	22796	23114	23418
<i>Exports</i>	1002	902	819	913	874	820	782	769	732	691
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21640	21967	22190	22553	22796	22986	23270	23564	23847	24108
<u>Non-Firm Regional Loads</u>										
<i>Regional Non-Firm Loads</i>	11	11	11	11	11	11	11	11	11	11
<i>Total Non-Firm Regional Loads</i>	11	11	11	11	11	11	11	11	11	11
<i>Total Loads</i>	21650	21978	22201	22564	22806	22997	23280	23575	23857	24119
<u>Hydro Resources</u>										
<i>Regulated Hydro</i>	10662	10684	10739	10765	10772	10776	10790	10805	10816	10827
<i>Independent Hydro</i>	1037	1034	1028	1028	1030	1030	1030	1032	1033	1033
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	11698	11718	11767	11793	11802	11806	11821	11836	11848	11859
<u>Other Resources</u>										
<i>Small Thermal & Misc.</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Combustion Turbines</i>	2254	2520	2536	2515	2520	2539	2538	2539	2558	2558
<i>Renewables</i>	80	81	77	81	80	81	80	81	81	80
<i>Cogeneration</i>	1984	1977	1993	1991	1993	1993	1993	1993	1993	1993
<i>Imports</i>	1089	1081	926	873	815	786	788	794	800	803
<i>Large Thermal</i>	5875	6148	5922	6104	5990	6113	6001	6217	5936	6126
<i>Non-Utility Generation</i>	1387	1419	1429	1450	1458	1458	1454	1407	1407	1407
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	12668	13226	12883	13014	12858	12971	12854	13031	12774	12966
<i>Total Resources</i>	24366	24944	24650	24807	24659	24777	24674	24867	24623	24825
<u>Reserves & Maintenance</u>										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-687	-703	-695	-699	-695	-698	-695	-701	-694	-700
<i>Total Reserves, Maintenance & Losses</i>	-699	-715	-707	-711	-707	-710	-708	-713	-706	-712
<i>Total Net Resources</i>	23667	24229	23943	24096	23952	24067	23967	24154	23917	24114
<u>Surplus/Deficits</u>										
<i>Firm Surplus/Deficit</i>	2028	2262	1753	1542	1156	1081	697	590	70	5.1
<i>Total Surplus/Deficit</i>	2017	2251	1743	1532	1146	1070	686	579	59	-5.6

Section 3

Annual OY 2007 – 2016

Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro	A-3
Independent Hydro	A-4
Imports	A-5
Small Thermal & Miscellaneous	A-6
Combustion Turbines	A-7
Renewable Resources	A-8
Cogeneration	A-9
Large Thermal	A-10
Restoration	A-11 ¹
Canadian Entitlement Return for CSPE	A-12 ²
Columbia Storage Power Exchange Purchase (CSPE)	A-13 ²
Supplemental & Entitlement Capacity	A-14 ²
Canadian Entitlement Return for Canada	A-15
Intra-Regional Transfers	A-16
Capacity Reserves	A-17 ³
Wells & Chelan Allocation	A-18
Rocky Reach & Rock Island Allocation	A-19
Wanapum & Priest Rapids Allocation	A-20
Swift #1 & Swift #2 Allocation	A-21
BPA Power Sales Contracts	A-22
Non-Utility Generating Resources	A-23
Regional Non-Utility Generating Resources by Project	A-24
Dedicated Resources	A-25
Other Dedicated Resources	A-26

-
- 1 Restoration was tied to the multi-year critical period studies. BPA uses a 1-year critical period for planning making Restoration adjustments obsolete.
 - 2 Table is obsolete due to expiration of contract on March 31, 2003.
 - 3 Capacity Reserves are not applicable to energy.

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Table A-1
Total Retail Loads
Annual OY 2007 – 2016
Average Energy in Megawatts

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Loads and Resources Information System

Table A-1: Pacific Northwest Total Retail Loads
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
Firm Loads										
<i>-Federal Entities-</i>										
1 Federal Entities	133	138	148	151	151	152	152	154	155	156
2 Total Federal Entities	133	138	148	151	151	152	152	154	155	156
<i>-U.S. Bureau of Reclamation-</i>										
3 U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
4 Total U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
<i>-Direct Service Industry-</i>										
5 Direct Service Industry	473	591	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	473	591	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>										
7 Generating Public Entities	5034	5110	5175	5234	5288	5337	5396	5455	5518	5574
8 Total Generating Public Entities	5034	5110	5175	5234	5288	5337	5396	5455	5518	5574
<i>-Non-Generating Public Entities-</i>										
9 Non-Generating Public Entities	3564	3632	3684	3717	3755	3789	3824	3869	3917	3963
10 Total Non-Generating Public Entities	3564	3632	3684	3717	3755	3789	3824	3869	3917	3963
<i>-Investor-Owned Entities-</i>										
11 Investor-Owned Entities	10965	11124	11287	11461	11650	11808	12034	12235	12439	12638
12 Total Investor-Owned Entities	10965	11124	11287	11461	11650	11808	12034	12235	12439	12638
<i>-Other Firm Loads-</i>										
13 Other PNW Entities	308	308	308	309	310	312	313	315	316	318
14 Total Other Firm Loads	308	308	308	309	310	312	313	315	316	318
<i>-Total Regional Firm Loads-</i>										
15 Federal Entities	293	299	309	311	312	312	313	314	315	317
16 Direct Service Industry	473	591	608	608	608	608	608	608	608	608
17 Public Entities	8598	8742	8859	8952	9043	9127	9220	9324	9435	9537
18 Investor-Owned Entities	10965	11124	11287	11461	11650	11808	12034	12235	12439	12638
19 Other Entities	308	308	308	309	310	312	313	315	316	318
20 Total Regional Firm Loads	20637	21065	21371	21641	21922	22166	22488	22796	23114	23418
Non-Firm Loads										
<i>-Investor-Owned Entities-</i>										
21 Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
22 Total Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
<i>-Total Regional Non-Firm Loads-</i>										
23 Federal Entities	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
27 Total Regional Non-Firm Loads	11	11	11	11	11	11	11	11	11	11
<i>-Total Regional Loads-</i>										
28 Federal Entities	293	299	309	311	312	312	313	314	315	317
29 Direct Service Industry	473	591	608	608	608	608	608	608	608	608
30 Public Entities	8598	8742	8859	8952	9043	9127	9220	9324	9435	9537
31 Investor-Owned Entities	10976	11135	11298	11472	11660	11819	12045	12246	12450	12649
32 Other Entities	308	308	308	309	310	312	313	315	316	318
33 Total Regional Loads	20648	21075	21381	21651	21933	22177	22498	22807	23125	23428

Table A-2
Exports
Annual OY 2007 – 2016
Average Energy in Megawatts

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Table A-2: Regional Exports
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Exports East of Continental Divide-</i>										
1 AVWP To PPLM PwrS	8	8	8	8	8	8	8	8	8	8
2 BPA To Other Entities	77	80	56	48	54	12	4.6	4.5	4.4	4.3
3 Total Exports To ECD	85	88	64	56	62	20	13	12	12	12
<i>-Exports to Pacific Southwest-</i>										
4 BPA To BURB C/N/X	3.8	2.4	0	0	0	0	0	0	0	0
5 BPA To GLEN C/N/X	4.2	2.7	0	0	0	0	0	0	0	0
6 BPA To Other Entities	35	0	0	0	0	0	0	0	0	0
7 BPA To PASA C/N/X	2.5	1.6	0	0	0	0	0	0	0	0
8 BPA To PASA C/N/X	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0
9 BPA To PASA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0
10 BPA To RVSD CapS	3.0	2.9	2.9	2.9	0	0	0	0	0	0
11 BPA To RVSD C/N/X	2.8	2.9	2.9	1.7	0	0	0	0	0	0
12 BPA To RVSD C/N/X	4.9	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9	4.0
13 BPA To RVSD S/Pwr/X	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0
14 PGE To GLEN PwrS	20	20	20	20	20	20	3.3	0	0	0
15 PGE To GLEN S/Pwr/X	3.3	3.3	3.3	3.3	3.3	1.7	0	0	0	0
16 PPL To REDD PwrS	15	15	15	15	15	15	15	15	15	8
17 PPL To SCE PwrS	19	0	0	0	0	0	0	0	0	0
18 PPL To SMUD PwrS	40	40	40	40	40	40	40	40	17	0
19 PSE To PG&E S/Pwr/X	43	28	0	0	0	0	0	0	0	0
20 SCL To NCPA S/Pwr/X	10	10	10	10	10	10	10	10	10	10
21 SDGE To SDGE PwrS	75	75	75	75	75	75	75	75	75	75
22 SHPD To SMUD PwrS	29	6	0	0	0	0	0	0	0	0
23 TID To TID PwrS	50	50	50	50	50	50	50	50	50	50
24 BPA NW-SW Intertie Losses	1.9	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.1
25 Total Exports To PSW	369	272	231	229	224	223	204	201	177	147
<i>-Exports to Inland Southwest-</i>										
26 BPA To SPP PwrS	60	60	60	60	60	60	60	60	60	60
27 Total Exports To ISW	60	60	60	60	60	60	60	60	60	60
<i>-Exports to Canada-</i>										
28 BPA To BCHP CanEnt	488	483	465	567	527	517	505	495	483	471
29 Total Exports To Canada	488	483	465	567	527	517	505	495	483	471
<i>-Exports to Other Entities-</i>										
30 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>										
31 Federal Entities	690	647	598	691	652	600	581	570	558	539
32 Public Entities	90	67	61	61	61	61	61	61	61	61
33 Investor-Owned Entities	223	189	161	161	161	159	141	137	114	91
34 Other Entities	0	0	0	0	0	0	0	0	0	0
35 Total Exports.	1002	902	819	913	874	820	782	769	732	691

Table A-3
Regulated Hydro Projects
Annual OY 2007 – 2016
Average Energy in Megawatts

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Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Regulated Hydro Projects-</i>										
1 Albeni Falls	25	25	25	25	25	25	25	25	25	25
2 Alder	21	21	21	21	21	21	21	21	21	21
3 Bonneville	383	384	384	384	384	384	384	384	384	384
4 Boundary	336	336	336	336	336	336	336	336	336	336
5 Box Canyon	48	48	48	48	48	48	48	48	48	48
6 Brownlee	231	231	231	231	231	231	231	231	231	231
7 Cabinet Gorge	87	87	87	87	87	87	87	87	87	87
8 Chelan	45	45	45	45	45	45	45	45	45	45
9 Chief Joseph	1069	1070	1071	1074	1077	1080	1083	1086	1086	1086
10 Cushman 1	12	12	12	12	12	12	12	12	12	12
11 Cushman 2	26	26	26	26	26	26	26	26	26	26
12 Diablo	78	78	78	78	78	78	78	78	78	78
13 Dworshak	146	146	146	146	146	146	146	146	146	146
14 Faraday	19	19	19	19	19	19	19	19	19	19
15 Gorge	90	90	90	90	90	90	90	90	90	90
16 Grand Coulee	1946	1951	1955	1958	1962	1963	1963	1963	1963	1963
17 Hells Canyon	192	192	192	192	192	192	192	192	192	192
18 Hungry Horse	83	83	83	83	83	83	83	83	83	83
19 Ice Harbor	168	169	169	169	169	169	169	169	169	169
20 John Day	807	808	808	808	808	808	808	808	808	808
21 Kerr	105	105	105	105	105	105	105	105	105	105
22 La Grande	34	34	34	34	34	34	34	34	34	34
23 Libby	173	173	173	173	173	173	173	173	173	173
24 Little Falls	19	19	19	19	19	19	19	19	19	19
25 Little Goose	179	180	189	194	194	194	194	194	194	194
26 Long Lake	42	42	42	42	42	42	42	42	42	42
27 Lower Baker	35	35	35	35	35	35	35	35	35	35
28 Lower Granite	165	166	180	188	188	188	188	188	188	188
29 Lower Monumental	155	157	185	193	193	193	193	193	193	193
30 Mayfield	68	68	68	68	68	68	68	68	68	68
31 McNary	477	484	484	483	483	483	494	505	516	527
32 Merwin	52	52	52	52	52	52	52	52	52	52
33 Monroe Street	11	11	11	11	11	11	11	11	11	11
34 Mossyrock	97	97	97	97	97	97	97	97	97	97
35 Nine Mile	12	12	12	12	12	12	12	12	12	12
36 North Fork	23	23	23	23	23	23	23	23	23	23
37 Noxon	129	129	129	129	129	129	129	129	129	129
38 Oak Grove	24	24	24	24	24	24	24	24	24	24
39 Oxbow	97	97	97	97	97	97	97	97	97	97
40 Pelton	38	38	38	38	38	38	38	38	38	38
41 Pelton Rereg. Dam	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
42 Post Falls	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
43 Priest Rapids	369	369	369	369	369	369	369	369	369	369
44 River Mill	11	11	11	11	11	11	11	11	11	11
45 Rock Island PH#1	169	169	169	169	169	169	169	169	169	169
46 Rock Island PH#2	123	123	123	123	123	123	123	123	123	123
47 Rocky Reach	537	537	537	537	537	537	537	537	537	537
48 Ross	83	83	83	83	83	83	83	83	83	83
49 Round Butte	96	96	96	96	96	96	96	96	96	96
50 Swift 1	61	61	61	61	61	61	61	61	61	61
51 Swift 2	22	22	22	22	22	22	22	22	22	22
52 The Dalles	605	606	606	606	606	606	606	606	606	606
53 Thompson Falls	50	50	50	50	50	50	50	50	50	50
54 Upper Baker	33	33	33	33	33	33	33	33	33	33

Continued

Table A-3: Regional Regulated Hydro Projects
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
55 Upper Falls	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
56 Wanapum	319	319	319	319	319	319	319	319	319	319
57 Wells	352	352	352	352	352	352	352	352	352	352
58 Yale	56	56	56	56	56	56	56	56	56	56
Total Regulated Hydro w/Enc.	10662	10684	10739	10765	10772	10776	10790	10805	10816	10827
<i>-Total Regulated Hydro W/Enc.-</i>										
59 Federal System	6383	6405	6460	6486	6493	6498	6512	6526	6537	6548
60 Public Entities	1748	1749	1749	1802	1846	1848	1850	1853	1855	1856
61 Investor-Owned Entities	2339	2339	2339	2288	2244	2242	2240	2237	2235	2234
62 Other Entities	191	190	190	189	189	189	189	189	189	189
63 Total Regulated Hydro w/Enc.	10662	10684	10739	10765	10772	10776	10790	10805	10816	10827

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Table A-4
Independent Hydro Projects
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Independent Hydro Projects-</i>										
1 American Falls	28	28	28	28	28	28	28	28	28	28
2 Anderson Ranch	16	16	16	16	16	16	16	16	16	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	11	11	11	11	11	11	11	11	11	11
5 Big Fork	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
6 Black Canyon	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
7 Bliss	42	42	42	42	42	42	42	42	42	42
8 Boise River Diversion	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
9 Bull Run	2.3	0	0	0	0	0	0	0	0	0
10 Calispel Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
11 Carmen-Smith	16	16	16	16	16	16	16	16	16	16
12 Cascade	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
13 Cedar Falls & Newhalem	12	12	12	12	12	12	12	12	12	12
14 Chandler	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
15 CJ Strike	50	50	50	50	50	50	50	50	50	50
16 Clear Lake	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
17 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 Condit	8.4	8.4	2.1	0	0	0	0	0	0	0
19 Cougar	16	16	16	16	16	16	16	16	16	16
20 Cowlitz Falls	26	26	26	26	26	26	26	26	26	26
21 Detroit	41	41	41	41	41	41	41	41	41	41
22 Dexter	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
23 Eagle Point	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
24 Felt	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
25 Foster	12	12	12	12	12	12	12	12	12	12
26 Gem State Hydro	14	14	14	14	14	14	14	14	14	14
27 Green Peter	28	28	28	28	28	28	28	28	28	28
28 Green Springs - USBR	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
29 Hellroaring (Big) Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
30 Hills Creek	18	18	18	18	18	18	18	18	18	18
31 Hood Street	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
32 Idaho Falls - City Plant	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
33 Idaho Falls - Lower Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
34 Idaho Falls - Upper Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
35 Island Park	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
36 Jackson	43	43	43	43	43	43	43	43	43	43
37 Klamath	35	35	35	35	35	35	35	35	35	35
38 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
39 Leaburg	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
40 Lookout Point	35	35	35	35	35	35	35	35	35	35
41 Lost Creek	30	30	30	30	30	30	30	30	30	30
42 Lower Malad	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
43 Lower Salmon	26	26	26	26	26	26	26	26	26	26
44 McNary Fishway	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
45 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
46 Milltown/Flint Creek	0	0	0	0	0	0	0	0	0	0
47 Milner	2	2	2	2	2	2	2	2	2	2
48 Minidoka	16	16	16	16	16	16	16	16	16	16
49 Moyie Springs	2	2	2	2	2	2	2	2	2	2
50 North Umpqua	100	100	100	100	100	100	100	100	100	100
51 Packwood	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
52 Palisades	66	66	66	66	66	66	66	66	66	66
53 Powerdale	2.8	2.8	2.8	2.1	0	0	0	0	0	0
54 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-4: Regional Independent Hydro Projects
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
55 Rogue	36	36	36	36	36	36	36	36	36	36
56 Roza	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
57 Shoshone Falls	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
58 Smith Creek	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
59 Snoq Elect & Nooksack	46	46	46	46	46	46	46	46	46	46
60 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
61 South Fork Tolt	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62 Stone Creek	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
63 Strawberry Creek	1	1	1	1	1	1	1	1	1	1
64 Swan Falls	16	16	16	16	16	16	16	16	16	16
65 The Dalles Fishway	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
66 Thousand Springs	11	11	11	11	11	11	11	11	11	11
67 Trail Bridge	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
68 TW Sullivan	7	7	7	9.3	14	14	14	14	14	14
69 Twin Falls	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70 Upper Malad	10	10	10	10	10	10	10	10	10	10
71 Upper Salmon 1 & 2	18	18	18	18	18	18	18	18	18	18
72 Upper Salmon 3 & 4	15	15	15	15	15	15	15	15	15	15
73 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74 Waltherville	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
75 Wynochee	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
76 Yelm	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
77 Blue River	0	0	0	0	0	0	0	1.5	2.7	2.7
Total Independent Hydro w/Enc.	1037	1034	1028	1028	1030	1030	1030	1032	1033	1033
<i>-Total Independent Hydro W/Enc.-</i>										
78 Federal System	359	356	356	356	356	356	356	356	356	356
79 Public Entities	174	177	177	177	177	177	177	179	180	180
80 Investor-Owned Entities	503	501	494	494	496	496	496	496	496	496
81 Other Entities	0	0	0	0	0	0	0	0	0	0
82 Total Independent Hydro w/Enc.	1037	1034	1028	1028	1030	1030	1030	1032	1033	1033

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Table A-5
Imports
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-5: Regional Imports
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Imports From East of Continental Divide-</i>										
1 BEPC To NWE PwrS	42	42	42	42	0	0	0	0	0	0
2 NWE To NWE PwrS	136	140	167	147	140	107	110	114	118	122
3 Other Entities To CKPD	1.7	0	0	0	0	0	0	0	0	0
4 Other Entities To IPC	11	11	11	3.7	0	0	0	0	0	0
5 PPL To BPA PwrS	94	94	94	94	94	94	94	94	94	94
6 PPL To PPL PwrS	138	153	0	0	0	0	0	0	0	0
7 Total Imports From ECD	423	441	314	287	234	201	205	208	212	216
<i>-Imports From Pacific Southwest-</i>										
8 BURB To BPA XchgNrg	3.6	2.8	0	0	0	0	0	0	0	0
9 BURB To BPA PkRepl	3.8	2.4	0	0	0	0	0	0	0	0
10 GLEN To BPA XchgNrg	4	3.2	0	0	0	0	0	0	0	0
11 GLEN To BPA PkRepl	4.2	2.7	0	0	0	0	0	0	0	0
12 GLEN To PGE S/Pwr/X	3.6	3.6	3.6	3.6	3.6	3.6	0	0	0	0
13 NCPA To SCL S/Pwr/X	13	13	13	13	13	13	13	13	13	13
14 PASA To BPA XchgNrg	2.4	1.9	0	0	0	0	0	0	0	0
15 PASA To BPA PkRepl	2.5	1.6	0	0	0	0	0	0	0	0
16 PASA To BPA XchgNrg	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0
17 PASA To BPA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0
18 PASA To BPA PkRepl	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0
19 PG&E To PSE S/Pwr/X	42	42	27	0	0	0	0	0	0	0
20 RVSD To BPA XchgNrg	3.2	3.1	3.2	3.2	0	0	0	0	0	0
21 RVSD To BPA PkRepl	3.0	2.9	2.9	2.9	0	0	0	0	0	0
22 RVSD To BPA PkRepl	2.8	2.9	2.9	1.7	0	0	0	0	0	0
23 RVSD To BPA XchgNrg	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
24 RVSD To BPA S/Pwr/X	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3
25 RVSD To BPA PkRepl	4.9	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9	4.0
26 Total Imports From PSW	108	102	73	44	36	36	33	33	32	28
<i>-Imports From Inland Southwest-</i>										
27 Other Entities To BPA	21	0	0	0	0	0	0	0	0	0
28 SPP To BPA PwrS	60	60	60	60	60	60	60	60	60	60
29 UPL To UPL PwrS	437	439	441	443	446	451	452	454	457	460
30 WAPA To GLEC ARP	0.5	0	0	0	0	0	0	0	0	0
31 Total Imports From ISW	518	499	501	503	506	511	512	514	517	520
<i>-Imports From Canada-</i>										
32 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1
33 BCHP To SCL PwrS	36	36	36	36	36	36	36	36	36	36
34 Other Entities To PSE	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
35 Total Imports From Canada	39	39	39	39	39	39	39	39	39	39
<i>-Imports From Other Entities-</i>										
36 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>										
37 Federal System	226	199	184	183	175	175	175	175	175	171
38 Public Entities	50	48	48	48	48	48	48	48	48	48
39 Investor-Owned Entities	812	833	694	641	592	563	564	570	577	584
40 Other Entities	0	0	0	0	0	0	0	0	0	0
41 Total Imports.	1089	1081	926	873	815	786	788	794	800	803

Table A-6
Small Thermal & Miscellaneous
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-6: Regional Small Thermal and Miscellaneous
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal System-</i>										
1 Bangor Base #1 Diesel Generators	0	0	0	0	0	0	0	0	0	0
2 Bangor Base #2 Diesel Generators	0	0	0	0	0	0	0	0	0	0
3 Puget Sound Shipyards Diesel Generators	0	0	0	0	0	0	0	0	0	0
4 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
5 Total Public Entities	0	0	0	0	0	0	0	0	0	0
<i>-Investor-Owned Entities-</i>										
6 Crystal Mountain	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Total Investor-Owned Entities	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>-Other Entities-</i>										
8 Total Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Small Thermal and Miscellaneous-</i>										
9 Federal System	0	0	0	0	0	0	0	0	0	0
10 Public Entities	0	0	0	0	0	0	0	0	0	0
11 Investor-Owned Entities	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 Other Entities	0	0	0	0	0	0	0	0	0	0
13 Total Small Thermal & Misc.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-7
Combustion Turbines
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-7: Regional Combustion Turbines
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal System-</i>										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
2 Boundary CT	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0
9 River Road	188	172	179	165	172	194	198	201	218	218
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
12 Total Public Entities	307	290	298	284	291	312	317	320	337	337
<i>-Investor-Owned Entities-</i>										
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4
14 Beaver	426	426	436	430	434	434	434	434	434	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	1.9	2	2.1	2.4	3.2	3.5	2.6	2.9	2.5	2.5
17 Big Hanaford CCCT	224	224	224	224	224	224	224	224	224	224
18 Boulder Park	24	24	24	24	24	24	24	24	25	25
19 Danskin	0.9	0.9	0.8	0.9	1	1.2	0.9	1	0.9	0.9
20 Encogen	104	106	105	103	97	94	89	87	89	89
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
23 Fredonia 3&4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
24 Fredrickson 1&2	4	4	4	4	4	4	4	4	4	4
25 Kettle Falls CT	6	6.3	5.6	6.3	6	6.2	6	6.3	6.2	6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	99	380	380	380	380	380	380	380	380	380
28 Whitehorn 2 & 3	6	6	6	6	6	6	6	6	6	6
29 Total Investor-Owned Entities	1048	1330	1339	1332	1330	1328	1322	1320	1322	1322
<i>-Other Entities-</i>										
30 Chehalis Generation Facility CCCT	417	417	417	417	417	417	417	417	417	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	224	224	224	224	224	224	224	224	224	224
33 Klamath Peaking Unit	14	14	14	14	14	14	14	14	14	14
34 Lancaster Power Project (Rathdrum)	244	244	244	244	244	244	244	244	244	244
35 Total Other Entities	899	899	899	899	899	899	899	899	899	899
<i>-Combustion Turbines-</i>										
36 Federal System	0	0	0	0	0	0	0	0	0	0
37 Public Entities	307	290	298	284	291	312	317	320	337	337
38 Investor-Owned Entities	1048	1330	1339	1332	1330	1328	1322	1320	1322	1322
39 Other Entities	899	899	899	899	899	899	899	899	899	899
40 Total Combustion Turbines	2254	2520	2536	2515	2520	2539	2538	2539	2558	2558

Table A-8
Renewable Resources
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-8: Regional Renewable Resources
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal System-</i>										
1 Georgia-Pacific Paper (Wauna)	23	23	23	23	23	23	23	23	23	23
2 Total Federal System	23	23	23	23	23	23	23	23	23	23
<i>-Public Entities-</i>										
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>										
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	42	44	40	44	42	43	42	44	43	42
9 Total Investor-Owned Entities	45	47	42	47	45	46	45	47	46	45
<i>-Other Entities-</i>										
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>										
11 Federal System	23	23	23	23	23	23	23	23	23	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	45	47	42	47	45	46	45	47	46	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	80	81	77	81	80	81	80	81	81	80

Table A-9
Cogeneration
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-9: Regional Cogeneration
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal System-</i>										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
2 WEYCO Energy Center	14	14	14	14	14	14	14	14	14	14
3 Total Public Entities	14	14	14	14	14	14	14	14	14	14
<i>-Investor-Owned Entities-</i>										
4 Coyote Springs #1	206	198	215	213	215	215	215	215	215	215
5 Coyote Springs #2	265	265	265	265	265	265	265	265	265	265
6 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44
7 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	931	923	940	938	940	940	940	940	940	940
<i>-Other Entities-</i>										
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	568	568	568	568	568	568	568	568	568	568
12 Klamath Cogeneration Project	436	436	436	436	436	436	436	436	436	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040
<i>-Cogeneration-</i>										
15 Federal System	0	0	0	0	0	0	0	0	0	0
16 Public Entities	14	14	14	14	14	14	14	14	14	14
17 Investor-Owned Entities	931	923	940	938	940	940	940	940	940	940
18 Other Entities	1040	1040	1040	1040	1040	1040	1040	1040	1040	1040
19 Total Cogeneration	1984	1977	1993	1991	1993	1993	1993	1993	1993	1993

Table A-10
Large Thermal
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Boardman: Coal-</i>										
1 Idaho Power Company	50	50	48	46	51	51	51	51	51	51
2 Portland General Electric	329	328	314	302	333	333	333	333	333	333
3 San Diego Gas & Electric	75	74	71	68	76	76	76	76	76	76
4 Turlock Irrigation District	50	50	48	46	51	51	51	51	51	51
5 Boardman: Regional Total	504	502	481	463	510	510	510	510	510	510
<i>-Centralia #1: Coal-</i>										
6 Trans Alta Utilities Corp	626	577	626	554	626	577	626	577	626	554
7 Centralia #1: Regional Total	626	577	626	554	626	577	626	577	626	554
<i>-Centralia #2: Coal-</i>										
8 Trans Alta Utilities Corp	577	626	577	626	554	626	577	626	577	626
9 Centralia #2: Regional Total	577	626	577	626	554	626	577	626	577	626
<i>-Colstrip #1: Coal-</i>										
10 Puget Sound Energy	116	133	121	136	133	121	136	133	121	136
11 Colstrip #1: Regional Total	116	133	121	136	133	121	136	133	121	136
<i>-Colstrip #2: Coal-</i>										
12 Puget Sound Energy	129	119	136	134	122	136	134	122	136	134
13 Colstrip #2: Regional Total	129	119	136	134	122	136	134	122	136	134
<i>-Colstrip #3: Coal-</i>										
14 Avista Corp (WWP Division)	83	99	99	87	99	99	87	99	99	87
15 Pacific Power	55	66	66	58	66	66	58	66	66	58
16 Portland General Electric	110	132	132	116	132	132	116	132	132	116
17 Puget Sound Energy	138	166	166	146	166	166	146	166	166	146
18 Colstrip #3: Regional Total	387	463	463	408	463	463	408	463	463	408
<i>-Colstrip #4: Coal-</i>										
19 Avista Corp (WWP Division)	99	97	85	99	99	87	99	99	87	99
20 Northwestern Energy LLC (MPC)	199	194	171	199	199	175	199	199	175	199
21 Pacific Power	66	65	57	66	66	58	66	66	58	66
22 Portland General Electric	132	129	114	132	132	116	132	132	116	132
23 Puget Sound Energy	166	161	142	166	166	145	166	166	145	166
24 Colstrip #4: Regional Total	662	645	569	662	662	582	662	662	582	662
<i>-Columbia Generating Station: Uranium-</i>										
25 BPA - Power Business	877	1,000	877	1,000	877	1,000	877	1,000	877	1,000
26 Columbia Generating Station: Reg. Total	877	1,000	877	1,000	877	1,000	877	1,000	877	1,000
<i>-Jim Bridger #1: Coal-</i>										
27 Idaho Power Company	137	161	157	161	148	161	158	161	148	161
28 Pacific Power	274	321	313	321	295	321	315	321	295	321
29 Jim Bridger #1: Regional Total	411	482	470	482	443	482	473	482	443	482
<i>-Jim Bridger #2: Coal-</i>										
30 Idaho Power Company	159	163	150	163	159	163	149	163	159	163
31 Pacific Power	317	325	299	325	317	325	298	325	317	325
32 Jim Bridger #2: Regional Total	476	488	449	488	476	488	446	488	476	488

Table A-10: Regional Large Thermal
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Jim Bridger #3: Coal-</i>										
33 Idaho Power Company	141	159	155	159	146	159	155	159	146	159
34 Pacific Power	282	318	310	318	292	318	310	318	292	318
35 Jim Bridger #3: Regional Total	422	477	465	477	437	477	465	477	437	477
<i>-Jim Bridger #4: Coal-</i>										
36 Idaho Power Company	154	136	154	150	154	141	154	150	154	141
37 Pacific Power	307	272	307	300	307	282	307	300	307	282
38 Jim Bridger #4: Regional Total	461	408	461	450	461	424	461	450	461	424
<i>-Valmy #1: Coal-</i>										
39 Idaho Power Company	110	110	110	110	110	110	110	110	110	110
40 Valmy #1: Regional Total	110	110	110	110	110	110	110	110	110	110
<i>-Valmy #2: Coal-</i>										
41 Idaho Power Company	116	116	116	116	116	116	116	116	116	115
42 Valmy #2: Regional Total	116	116	116	116	116	116	116	116	116	115
<i>-Total Large Thermal-</i>										
43 Federal System	877	1,000	877	1,000	877	1,000	877	1,000	877	1,000
44 Public Entities	50	50	48	46	51	51	51	51	51	51
45 Investor-Owned Entities	4,947	5,098	4,997	5,058	5,063	5,062	5,073	5,166	5,008	5,075
46 Other Entities	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	5,875	6,148	5,922	6,104	5,990	6,113	6,001	6,217	5,936	6,126

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Table A-11
Restoration
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-12
Canadian Entitlement Return for CSPE
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-14
Supplemental & Entitlement Capacity
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-15
Canadian Entitlement Return for Canada
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

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Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
-BPA Canada-										
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0
-Priest Rapids CER for Canada-										
2 AVWP to BPA	1.0	0.9	0.9	1.1	1.1	1	1	1.0	1.0	1.0
3 COPD to BPA	0.4	0.4	0.4	0.7	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0	0	0	0	0	0
11 KOOT to BPA	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0.1	0.1	0.1	0.1	0	0	0
17 PGE to BPA	2.2	2.1	2.1	2.6	2.5	2.4	2.3	2.3	2.2	2.2
18 PPL to BPA	2.2	2.1	2.1	2.6	2.5	2.4	2.3	2.3	2.2	2.2
19 PSE to BPA	1.3	1.2	1.2	1.5	1.4	1.4	1.3	1.3	1.3	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	0.2	1.1	1.3	1.3	1.3	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.1	1.2	1.4	1.3	1.3	1.3	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.8	1.7	1.7	1.1	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	29	28	29	30	30	30	30	29	29	29
-Wanapum CER for Canada-										
27 AVWP to BPA	2.3	2.2	2.2	1.4	1	1	1.0	1.0	0.9	0.9
28 COPD to BPA	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	10	9.9	10.0	14	17	17	17	17	17	16
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.2	5.1	5.1	3.2	2.3	2.3	2.2	2.2	2.1	2.1
43 PPL to BPA	5.2	5.1	5.1	3.2	2.3	2.3	2.2	2.2	2.1	2.1
44 PSE to BPA	3.0	2.9	2.9	1.9	1.4	1.3	1.3	1.3	1.2	1.2
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	1	1.3	1.2	1.2	1.2	1.1	1.1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	1.1	1.3	1.2	1.2	1.2	1.1	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0.6	0.9	0.9	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	27	27	28	29	29	28	28	28	27

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Rock Island P.H. #1 CER for Canada-</i>										
52 CHPD to BPA	5.4	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4	5.3
53 PSE to BPA	5.4	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4	5.3
54 Rock Island P.H. #1: Regional Totals	11	10	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>										
55 CHPD to BPA	3.4	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4	3.4
56 PSE to BPA	3.4	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4	3.4
57 Rock Island P.H. #2: Regional Totals	6.8	6.7	6.7	7.1	7.2	7.1	7.0	6.9	6.8	6.8
<i>-Rocky Reach CER for Canada-</i>										
58 AVWP to BPA	1.1	1	1	1.1	1.1	1.1	1.1	1.1	1.1	1
59 CHPD to BPA	5.5	5.4	5.4	5.7	5.8	5.7	5.6	5.6	5.5	5.4
60 CLKM to BPA	8.4	8.2	8.3	8.6	8.8	8.7	8.6	8.5	8.4	8.3
61 DOPD to BPA	1.0	1.0	1.0	1	1	1	1	1.0	1.0	1.0
62 PGE to BPA	4.4	4.3	4.3	4.5	4.6	4.6	4.5	4.5	4.4	4.4
63 PPL to BPA	1.9	1.9	1.9	2.0	2	2.0	2.0	2.0	1.9	1.9
64 PSE to BPA	14	14	14	15	15	15	14	14	14	14
65 Rocky Reach: Regional Totals	36	36	36	38	38	38	37	37	36	36
<i>-Wells CER for Canada-</i>										
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1	1	1.1	1.1	1.1	1.1	1.1	1.1	1
68 DOPD to BPA	6.8	6.6	6.6	6.9	7	7.0	6.9	6.8	6.7	6.7
69 OKPD to BPA	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8
70 PGE to BPA	4.6	4.5	4.5	4.7	4.8	4.7	4.7	4.6	4.6	4.5
71 PPL to BPA	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.5
72 PSE to BPA	7	6.9	6.9	7.2	7.4	7.3	7.2	7.1	7	7.0
73 Wells: Regional Totals	24	23	23	24	25	24	24	24	24	23
<i>-Total CER For Canada-</i>										
74 Federal System	0	0	0	0	0	0	0	0	0	0
75 Public Entities	58	56	57	65	69	68	68	67	67	66
76 Investor-Owned Entities	66	65	65	63	61	60	59	58	57	57
77 Other Entities	10	9.9	10.0	10	11	10	10	10	10	10.0
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	134	131	132	138	140	139	137	136	134	133

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Table A-16
Intra-Regional Transfers
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-16: Regional Intra-Regional Transfers
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Intra-Regional Transfers-</i>										
1 AVWP To BPA WP3Set	42	42	42	42	42	42	42	42	42	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	42	42	42	42	42	42	42	42	42	42
4 BPA To CCPD PwrS	14	17	17	17	17	2.8	0	0	0	0
5 BPA To EWEB PwrS	0.2	0	0	0	0	0	0	0	0	0
6 BPA To Other Entities	24	0	0	0	0	0	0	0	0	0
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0
8 BPA To PPL CapS	186	186	186	186	186	15	0	0	0	0
9 BPA To PPL S/Pwr/X	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0	0	0
10 BPA To PPL PwrS	94	94	94	94	94	94	94	94	94	94
11 BPA To PSE WP3Set	42	42	42	42	42	42	42	42	42	42
12 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0
13 BPA To TPU PwrX	0	0	0	0	0	0	0	0	0	0
14 CCPD To Other Entities	14	17	17	17	17	2.8	0	0	0	0
15 CHPD To PGE S/N/X	6.8	6.8	6.8	6.8	3.8	0	0	0	0	0
16 CIDF To UPL PwrS	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
17 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0
18 ENW To BCPD PwrS	0.2	0	0	0	0	0	0	0	0	0
19 EWEB To PGE CapS	3	3	3	3	3	3	3	2.8	0	0
20 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
21 FPLEV To PGE PwrS	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
22 GCPD To AVWP PwrS	22	22	22	22	22	3.3	0	0	0	0
23 GCPD To EWEB PwrS	6.1	6.2	6.2	6.2	6.2	0.9	0	0	0	0
24 GCPD To FGRV PwrS	1.9	1.9	2	1.6	1.4	0.3	0	0	0	0
25 GCPD To FREC PwrS	0.5	0.7	0.7	0.7	0.7	0.2	0	0	0	0
26 GCPD To KITT PwrS	1.2	1.2	1.2	0.8	0.6	0.1	0	0	0	0
27 GCPD To KOOT PwrS	1	1	1	1	1	0.2	0	0	0	0
28 GCPD To LVE PwrS	1	1	1	1	1	0.2	0	0	0	0
29 GCPD To LVE PwrS	1	1	0.2	0	0	0	0	0	0	0
30 GCPD To MCMN PwrS	1.9	1.9	2	1.6	1.4	0.3	0	0	0	0
31 GCPD To MTRF PwrS	1.9	1.9	2	1.6	1.4	0.3	0	0	0	0
32 GCPD To PGE PwrS	50	51	51	50	50	7.3	0	0	0	0
33 GCPD To PPL PwrS	50	51	51	50	50	7.3	0	0	0	0
34 GCPD To PPL PwrS	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
35 GCPD To PSE PwrS	28	29	29	29	29	4.3	0	0	0	0
36 GCPD To TPU PwrS	23	23	23	15	12	1.8	0	0	0	0
37 NWCP To PSE PwrS	4.4	4.4	4.4	4.4	4.4	4.4	1.9	0	0	0
38 NWE To MVP PwrS	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
39 NWE To PSE PwrS	90	90	90	90	37	0	0	0	0	0
40 Other Entities To AVWP	100	100	100	100	42	0	0	0	0	0
41 Other Entities To BPA	229	0	0	0	0	0	0	0	0	0
42 Other Entities To DOPD	18	20	22	24	27	15	18	20	22	25
43 Other Entities To GHPD	2.5	0	0	0	0	0	0	0	0	0
44 Other Entities To PGE	347	364	364	356	325	154	150	150	150	150
45 Other Entities To PPL	352	0	0	0	0	0	0	0	0	0
46 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45
47 PGE To CHPD S/N/X	8.1	8.1	8.1	8.1	6.4	0	0	0	0	0
48 PGE To EWEB PkRepl	3	3	3	3	3	3	3	2.5	0	0
49 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
50 PKE To SCL PwrS	40	0	0	0	0	0	0	0	0	0
51 PPL To BPA PwrS	10	10	8.7	0	0	0	0	0	0	0
52 PPL To BPA S/Pwr/X	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0	0
53 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0
54 PPL To BPA PkRepl	186	186	186	186	186	15	0	0	0	0
55 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7

Continued

Table A-16: Regional Intra-Regional Transfers
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
56 PPL To FLHD PwrS	2.7	0	0	0	0	0	0	0	0	0
57 PPL To SCL RenStg	55	55	55	55	55	32	0	0	0	0
58 PSE To BPA WP3Set	42	42	42	42	42	42	42	42	42	42
59 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43
60 SCL To PPL RenStg	58	58	58	58	58	23	0	0	0	0
61 SHPD To PSE PwrS	11	11	11	6.8	0	0	0	0	0	0
62 TAUC To AVWP PwrS	181	181	181	177	174	181	181	181	181	177
63 TPU To BPA PwrX	5.8	0	0	0	0	0	0	0	0	0
64 Total Intra-Regional Transfers	2588	1959	1960	1927	1769	925	803	797	788	787
<i>-Total Contracts Out-</i>										
65 Federal System	409	387	387	387	387	202	184	178	178	178
66 Public Entities	353	353	353	338	325	121	66	64	61	61
67 Investor-Owned Entities	1180	806	805	793	735	504	456	456	448	444
68 Other Entities	646	413	415	408	322	98	97	98	101	103
69 Total Contracts Out	2588	1959	1960	1927	1769	925	803	797	788	787
<i>-Total Contracts In-</i>										
70 Federal System	531	295	295	286	286	115	100	100	94	94
71 Public Entities	230	189	190	182	180	103	67	68	68	71
72 Investor-Owned Entities	1792	1458	1458	1442	1286	704	637	629	626	622
73 Other Entities	36	17	17	17	17	2.8	0	0	0	0
74 Total Contracts In	2588	1959	1960	1927	1769	925	803	797	788	787

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Table A-17
Capacity Reserves
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

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Table A-18
Wells & Chelan Allocation
Annual OY 2007 – 2016
Capacity in Megawatts

Power Business Line

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Loads and Resources Information System

Table A-18: Wells and Chelan Allocation
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
-Wells-										
1 Wells	397	397	397	397	397	397	397	397	397	397
2 Wells Before Enc	397	397	397	397	397	397	397	397	397	397
-Wells-										
3 AVWP Share	12	12	12	12	12	12	12	12	12	12
4 COLV Share	16	16	16	16	16	16	16	16	16	16
5 DOPD Share	101	101	101	101	101	101	101	101	101	101
6 OKPD Share	27	27	27	27	27	27	27	27	27	27
7 PGE Share	68	68	68	68	68	68	68	68	68	68
8 PPL Share	23	23	23	23	23	23	23	23	23	23
9 PSE Share	105	105	105	105	105	105	105	105	105	105
10 Wells After Enc	352	352	352	352	352	352	352	352	352	352
-Chelan-										
11 Chelan	41	41	41	41	41	41	41	41	41	41
12 Chelan Before Enc	41	41	41	41	41	41	41	41	41	41
-Chelan-										
13 CHPD Share	45	45	45	45	45	45	45	45	45	45
14 Chelan After Enc	45	45	45	45	45	45	45	45	45	45

Table A-19
Rocky Reach & Rock Island Allocation
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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Loads and Resources Information System

Table A-19: Rocky Reach and Rock Island Allocation
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Rocky Reach-</i>										
1 Rocky Reach	519	519	519	519	519	519	519	519	519	519
2 Rocky Reach Before Enc	519	519	519	519	519	519	519	519	519	519
<i>-Rocky Reach-</i>										
3 AVWP Share	16	16	16	16	16	16	16	16	16	16
4 CHPD Share	81	81	81	81	81	81	81	81	81	81
5 CLKM Share	123	123	123	123	123	123	123	123	123	123
6 DOPD Share	14	14	14	14	14	14	14	14	14	14
7 PGE Share	65	65	65	65	65	65	65	65	65	65
8 PPL Share	28	28	28	28	28	28	28	28	28	28
9 PSE Share	209	209	209	209	209	209	209	209	209	209
10 Rocky Reach After Enc	537	537	537	537	537	537	537	537	537	537
<i>-Rock Island PH#1-</i>										
11 Rock Island PH#1	130	130	130	130	130	130	130	130	130	130
12 Rock Island PH#1 Before Enc	130	130	130	130	130	130	130	130	130	130
<i>-Rock Island PH#1-</i>										
13 CHPD Share	85	85	85	85	85	85	85	85	85	85
14 PSE Share	85	85	85	85	85	85	85	85	85	85
15 Rock Island PH#1 After Enc	169	169	169	169	169	169	169	169	169	169
<i>-Rock Island PH#2-</i>										
16 Rock Island PH#2	95	95	95	95	95	95	95	95	95	95
17 Rock Island PH#2 Before Enc	95	95	95	95	95	95	95	95	95	95
<i>-Rock Island PH#2-</i>										
18 CHPD Share	61	61	61	61	61	61	61	61	61	61
19 PSE Share	61	61	61	61	61	61	61	61	61	61
20 Rock Island PH#2 After Enc	123	123	123	123	123	123	123	123	123	123

Table A-20
Wanapum & Priest Rapids Allocation
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
-Wanapum-										
1 Wanapum	391	391	391	390	390	390	390	391	391	391
2 Wanapum Before Enc	391	391	391	390	390	390	390	391	391	391
-Wanapum-										
3 AVWP Share	26	26	26	16	11	11	11	11	11	11
4 COPD Share	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
5 CWPC Share	0	0	0	0.3	0.4	0.4	0.4	0.4	0.4	0.4
6 EWEB Share	7.3	7.3	7.3	4.6	3.2	3.1	3.1	3	3.0	3.0
7 FGRV Share	2.2	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3
8 FREC Share	0	0	0	0.3	0.4	0.4	0.4	0.4	0.4	0.4
9 GCPD Share	117	117	117	154	184	186	187	189	190	191
10 ICLP Share	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0	0	0	0.3	0.4	0.4	0.4	0.4	0.4	0.4
12 KOOT Share	0	0	0	0.5	0.6	0.6	0.6	0.6	0.6	0.6
13 LREC Share	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 LVE Share	0	0	0	0.6	0.8	0.8	0.8	0.8	0.8	0.8
15 MCMN Share	2.2	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3
16 MTRF Share	2.2	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3
17 NLEC Share	0	0	0	0.4	0.5	0.5	0.5	0.5	0.5	0.5
18 PGE Share	60	60	60	37	26	25	25	25	24	24
19 PPL Share	60	60	60	37	26	25	25	25	24	24
20 PSE Share	34	34	34	22	15	15	14	14	14	14
21 RREC Share	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	0	0	0	12	14	14	14	13	13	13
23 SLEC Share	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24 TPU Share	0	0	0	12	14	14	14	13	13	13
25 UNEC Share	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26 UNKMKT Share	0	0	0	7.2	9.6	9.6	9.6	9.6	9.6	9.6
27 Wanapum After Enc	319	319	319	319	319	319	319	319	319	319
-Priest Rapids-										
28 Priest Rapids	385	385	385	385	385	385	385	385	385	385
29 Priest Rapids Before Enc	385	385	385	385	385	385	385	385	385	385
-Priest Rapids-										
30 AVWP Share	12	12	12	14	13	13	13	13	12	12
31 COPD Share	5.6	5.6	5.6	8.8	9.9	9.9	9.9	9.9	9.9	9.9
32 CWPC Share	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
33 EWEB Share	3.4	3.4	3.4	4	3.7	3.6	3.6	3.5	3.5	3.4
34 FGRV Share	1.3	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
35 FREC Share	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36 GCPD Share	229	229	229	202	213	215	216	218	220	220
37 ICLP Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1	1	1	0.7	0.5	0.5	0.5	0.5	0.5	0.5
39 KOOT Share	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 LVE Share	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
42 MCMN Share	1.3	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
43 MTRF Share	1.3	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6
44 NLEC Share	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
45 PGE Share	28	28	28	33	30	29	29	29	28	28
46 PPL Share	28	28	28	33	30	29	29	29	28	28

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
47 PSE Share	16	16	16	19	17	17	17	17	16	16
48 RREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
49 SCL Share	2.0	2.0	2.0	14	16	16	16	15	15	15
50 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 TPU Share	15	15	15	18	16	16	16	16	15	15
52 UNEC Share	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
53 UNKMKT Share	23	22	22	14	11	11	11	11	11	11
54 Priest Rapids After Enc	369	369	369	369	369	369	369	369	369	369

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Table A-21
Swift #1 and Swift #2 Allocation
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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Table A-21: Swift #1 and Swift #2 Allocation
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Swift 1-</i>										
1 Swift 1	61	61	61	61	61	61	61	61	61	61
2 Swift 1 Before Enc	61	61	61	61	61	61	61	61	61	61
<i>-Swift 1-</i>										
3 COPD Share	16	16	16	16	16	16	16	16	16	16
4 PPL Share	45	45	45	45	45	45	45	45	45	45
5 Swift 1 After Enc	61	61	61	61	61	61	61	61	61	61
<i>-Swift 2-</i>										
6 Swift 2	22	22	22	22	22	22	22	22	22	22
7 Swift 2 Before Enc	22	22	22	22	22	22	22	22	22	22
<i>-Swift 2-</i>										
8 COPD Share	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
9 PPL Share	17	17	17	17	17	17	17	17	17	17
10 Swift 2 After Enc	22	22	22	22	22	22	22	22	22	22

Table A-22
BPA Power Sales Contracts
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-22: BPA Power Sale Contracts
PNW Loads and Resource Study
2007 - 2016 Operating Years
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal Entities-</i>										
1 BPA To Federal Entities	123	129	139	141	142	142	143	144	145	147
2 Total Federal Entities	123	129	139	141	142	142	143	144	145	147
<i>-U.S. Bureau of Reclamation-</i>										
3 BPA To U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
4 Total U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
<i>-Direct Service Industry-</i>										
5 BPA To Direct Service Industry	44	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	44	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>										
7 BPA To Generating Public Entities	2351	2334	2353	2371	2389	2303	2308	2340	2374	2404
8 Total Generating Public Entities	2351	2334	2353	2371	2389	2303	2308	2340	2374	2404
<i>-Generating Public Entities (Slice)-</i>										
9 BPA To Generating Public Entities (Slice)	987	1007	1000	1013	1004	1022	1009	1029	1015	1035
10 Total Generating Public Entities (Slice)	987	1007	1000	1013	1004	1022	1009	1029	1015	1035
<i>-Non-Generating Public Entities-</i>										
11 BPA To Non-Generating Public Entities	2963	3038	3073	3097	3130	3139	3161	3195	3230	3264
12 Total Non-Generating Public Entities	2963	3038	3073	3097	3130	3139	3161	3195	3230	3264
<i>-Non-Generating Public Entities (Slice)-</i>										
13 BPA To Non-Generating Public Entities (Slice)	592	604	600	608	603	614	606	618	609	621
14 Total Non-Generating Public Entities (Slice)	592	604	600	608	603	614	606	618	609	621
<i>-Investor-Owned Entities-</i>										
15 BPA To Investor-Owned Entities	64	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	64	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>										
17 BPA To Other PNW Entities	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>										
19 Federal Entities	123	129	139	141	142	142	143	144	145	147
20 U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
21 Direct Service Industry	44	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3338	3340	3353	3384	3393	3326	3317	3369	3389	3439
23 Non-Generating Public Entities	3556	3642	3673	3705	3733	3753	3767	3813	3840	3885
24 Investor-Owned Entities	64	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7285	7272	7325	7390	7428	7381	7387	7486	7535	7631

Table A-23
Non Utility Generating Resources by Owner
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Federal Entities-</i>										
1 BPA - Power Business	77.6	77.5	77.6	98.0	103.8	103.8	103.8	103.8	103.8	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	77.8	77.7	77.8	98.2	104.0	104.0	104.0	104.0	104.0	104.0
<i>-Generating Public Entities-</i>										
4 Chelan County PUD #1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.6	7.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
7 Douglas County PUD #1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
8 Eugene Water & Electric Board	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
9 Grant County PUD #2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
10 Grays Harbor PUD #1	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
11 Okanogan County PUD #1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
12 Seattle City Light	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
13 Snohomish County PUD #1	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
14 Tacoma Public Utilities	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
15 Total Generating Public Entities	194.4	200.8	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6
<i>-Non-Generating Public Entities-</i>										
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
22 Klickitat County PUD #1	0.0	3.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
23 Lakeview L & P (WA)	0.0	3.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
24 Lewis County PUD #1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
25 Mason County PUD #1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26 Mason County PUD #3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
27 Oregon Trail Coop	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.0	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent.	4.1	12.2	17.1	16.9	16.8	16.8	16.8	16.8	16.8	16.8
<i>-Investor-Owned Entities-</i>										
31 Avista Corp (WWP Division)	209.1	209.1	209.1	209.1	209.1	209.1	204.2	156.4	156.4	156.4
32 Idaho Power Company	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1	112.1
33 Northwestern Energy LLC (MPC)	24.6	24.2	24.3	25.1	28.2	28.4	29.3	29.1	29.1	29.1
34 Pacific Power	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
35 Portland General Electric	41.9	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
36 Puget Sound Energy	600.8	618.8	618.9	618.8	618.7	618.7	618.6	618.8	619.0	618.8
37 Utah Power	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
38 Total Investor-owned Entities	1067.1	1084.6	1085.3	1086.1	1089.1	1089.2	1085.2	1037.3	1037.5	1037.3
<i>-Other Entities'</i>										
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
<i>-Total Non-Utility Generating Resources-</i>										
45 Federal Entities	78	78	78	98	104	104	104	104	104	104
46 Public Entities	198	213	222	222	221	221	221	221	221	221
47 Investor-Owned Entities	1067	1085	1085	1086	1089	1089	1085	1037	1037	1037
48 Other Entities	44	44	44	44	44	44	44	44	44	44
49 Total Non-Utility Generation	1387	1419	1429	1450	1458	1458	1454	1407	1407	1407

Table A-24
Regional Non Utility Generating Resources by Project
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-NUG: Hydro-</i>										
1 Albany (PPL)	0	0	0	0	0	0	0	0	0	0
2 Barber Dam (IPC)	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	2.9	2.9	3.1	3.0	2.9	2.8	2.8	3.0	3.1	2.9
11 Blind Canyon Hydro (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.7	1.7	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
23 Central OR Irrigation District (PPL)	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
28 Curry Cattle Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Dietrich Drop (IPC)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41 Elwah Hydro (BPA)	8.6	8.6	8.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Falls Creek (PPL)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
45 Falls River (IPC)	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
46 Farmers Irrig. (PPL)	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
47 Faulkner Ranch (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
48 Fisheries Development Co (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
49 Galesville Dam (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50 Geobon 2 (IPC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
51 Georgetown Power (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
52 Glines Hydro (BPA)	15.0	15.0	15.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
53 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
54 Hazelton A (IPC)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
55 Hazelton B (IPC)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
56 Horseshoe Bend (IPC)	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
57 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 Ingram Warm Springs (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
59 Jim Ford Creek (AVWP)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
60 Jim Knight (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
61 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Kasel & Witherspoon (IPC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
64 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Koma Kulshan (PSE)	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
66 Koyle (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Lacombe Irrig. (PPL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
69 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70 Lateral #10 (IPC)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
71 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
73 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Little Wood River Res. (IPC)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75 Littlewood/Arkoosh (IPC)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Lowline #2 (IPC)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77 Lowline Canal (IPC)	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
78 Lucky Peak (SCL)	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
79 Magic Reservoir (IPC)	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80 Main Canal Headworks (SCL)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
81 Main Canal Headworks (TPU)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82 Malad River (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Marcos Ranches (IPC)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
84 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85 Meyers Falls (AVWP)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86 Middlefork Irrig. (PPL)	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
87 Mile 28 (IPC)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
88 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
89 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90 Mink Creek (UPL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
91 Mitchell Butte (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
92 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Mud Creek/S&S (IPC)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
95 Mud Creek/White (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Nichols Gap (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
99 O.J. Power (UPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101 Opal Springs (PPL)	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
102 Owyhee Dam (IPC)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
103 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 PEC Headworks (GCPD)	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108 Pigeon Cove (IPC)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
109 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111 Portland Hydro Project (PGE)	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
112 Portneuf River (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
113 Potholes E Canal 66.0 (SCL)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
114 Potholes E Canal 66.0 (TPU)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
115 Preston City (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Pristine Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118 Quincy Chute (GCPD)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
119 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1 (IPC)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
122 Rock Creek #2 (IPC)	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
123 Rocky Brook (MCPD1)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
124 Russel D. Smith (SCL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
125 Russel D. Smith (TPU)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
126 Sagebrush (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
127 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128 Schaffner (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
129 Sheep Creek (AVWP)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
130 Shingle Creek (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132 Shoshone II (IPC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135 Solar Research (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
136 South Dry Creek (NWE)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137 Spokane Upriver (AVWP)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
138 Stauffer Dry Creek (UPL)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
139 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Summer Falls (SCL)	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
141 Summer Falls (TPU)	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
142 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144 Tiber Dam Liberty Montana (IPC)	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
145 Tieton #1 (PPL)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Tunnel #1 (IPC)	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
148 Twin Falls (PSE)	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
149 Walla Walla (PPL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150 Water Street / Santiam (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Weeks Falls (PSE)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152 White James (PPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
153 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154 Wilson Lake Hydro (IPC)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
155 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
156 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Total NUG: Hydro	246.8	246.7	246.9	225.7	223.2	223.1	223.2	223.4	223.5	223.3
<i>-NUG: Small Thermal & Misc.-</i>										
162 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
163 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
164 Montana One (NWE)	8.1	8.0	8.0	8.3	9.3	9.4	9.7	9.6	9.6	9.6
165 Pocatello Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
166 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
167 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
168 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
169 Total NUG: Small Thermal & Misc.	43.4	43.3	43.3	43.6	44.6	44.7	45.0	44.9	44.9	44.9
<i>-NUG: Combustion Turbines-</i>										
158 Rathdrum- Boekel Rd. #1 (AVWP)	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
159 Rathdrum -Boekel Rd. #2 (AVWP)	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
160 Tenaska Gas Cogen (PSE)	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0
161 Total NUG: Combustion Turbines	366.5	366.5	366.5	366.5	366.5	366.5	366.5	366.5	366.5	366.5
<i>-NUG: Co-Generation-</i>										
170 Billings Generation (NWE)	14.0	13.8	13.9	14.3	16.1	16.2	16.7	16.6	16.6	16.6
171 Biomass One (PPL)	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1
172 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
173 Champion (PPL)	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
174 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
175 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
176 DR Johnson - Co-Gen II (PPL)	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
177 Everett Cogeneration (SHPD)	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
178 Haleywest L.L.C (AVWP)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
179 Magic Valley (IPC)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
180 Magic West (IPC)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
181 March Point #1 (PSE)	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
182 March Point #2 (PSE)	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
183 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
184 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185 PERC Pierce, Wa (PSE)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
186 Pottlatch Contract Renewal (AVWP)	52.7	52.7	52.7	52.7	52.7	52.7	47.8	0.0	0.0	0.0
187 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
188 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
189 Sumas Energy (PSE)	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
190 Tamarack (IPC)	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
191 TESCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
192 TESCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
193 Vaagen Bros. (IPC)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
194 Warm Springs (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Total NUG: Co-Generation	467.2	466.9	467.0	467.5	469.3	469.4	465.0	417.1	417.1	417.1

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-NUG: Renewables-</i>										
196 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
197 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
198 Condon Wind Project (BPA)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
199 Covanta Marion Solid Waste (PGE)	9.3	9.3	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
200 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
201 Eurys Combine Hills (PPL)	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
202 Foote Creek 1 (BPA)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
203 Foote Creek 1 (EWEB)	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
204 Foote Creek 1 (PPL)	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
205 Foote Creek 2 (BPA)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
206 Foote Creek 4 (BPA)	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
207 Fourmile Hill Geothermal (BPA)	0.0	0.0	0.0	41.6	49.9	49.9	49.9	49.9	49.9	49.9
208 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 Hopkins Ridge (PSE)	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
210 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211 Klondike Phase 1 (BPA)	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
212 Klondike Phase 2 (PGE)	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
213 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
215 Nine Canyon Wind Project (BCPD)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
216 Nine Canyon Wind Project (CHPD)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
217 Nine Canyon Wind Project (COPD)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
218 Nine Canyon Wind Project (DOPD)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
219 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220 Nine Canyon Wind Project (FCPD)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
221 Nine Canyon Wind Project (GCPD)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
222 Nine Canyon Wind Project (GHPD)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
223 Nine Canyon Wind Project (LCPD)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
224 Nine Canyon Wind Project (MCPD3)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
225 Nine Canyon Wind Project (OKPD)	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
226 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
227 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
228 Stateline Wind Project (AVWP)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
229 Stateline Wind Project (BPA)	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
230 Stateline Wind Project (EWEB)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
231 Stateline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 Stateline Wind Project (SCL)	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
233 Vansycle Wind (FPLEV)	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
234 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236 White Creek (COPD)	0.0	6.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
237 White Creek (KLCK)	0.0	3.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
238 White Creek (LVLP)	0.0	3.8	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
239 White Creek (TNEC)	0.0	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
240 Wild Horse Wind Power Project (PSE)	39.0	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
241 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
242 Total NUG: Renewables	263.3	295.6	304.8	346.4	354.7	354.7	354.7	354.7	354.7	354.7

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Total Non-Utility Generating Resources-</i>										
243 Federal Entities	77.8	77.7	77.8	98.2	104.0	104.0	104.0	104.0	104.0	104.0
244 Generating Public Entities	194.4	200.8	204.6	204.6	204.6	204.6	204.6	204.6	204.6	204.6
245 Non Generating Public Entities	4.1	12.2	17.1	16.9	16.8	16.8	16.8	16.8	16.8	16.8
246 Investor-Owned Entities	1067.1	1084.6	1085.3	1086.1	1089.1	1089.2	1085.2	1037.3	1037.5	1037.3
247 Other Entities	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
248 Total Non-Utility Generation	1387.1	1419.1	1428.6	1449.6	1458.4	1458.4	1454.4	1406.6	1406.7	1406.5

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Table A-25
Dedicated Resources
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-25: Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	1975	1990	2009	1980	1984	2114	2145	2150	2171	2167
2 Total Generating Public Entities	1975	1990	2009	1980	1984	2114	2145	2150	2171	2167
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	80	86	90	89	89	74	71	71	71	71
4 Total Non-Generating Public Entities	80	86	90	89	89	74	71	71	71	71
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	6938	7059	7082	7058	6890	6791	6754	6756	6670	6723
6 Total Investor-owned Entities	6938	7059	7082	7058	6890	6791	6754	6756	6670	6723
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	1975	1990	2009	1980	1984	2114	2145	2150	2171	2167
8 Small & Non Generating Entities	80	86	90	89	89	74	71	71	71	71
9 Investor-Owned Entities	6938	7059	7082	7058	6890	6791	6754	6756	6670	6723
10 Regional Total Dedicated Resources	8993	9134	9182	9128	8963	8979	8971	8978	8912	8962

Table A-26
Other Dedicated Resources
Annual OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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Loads and Resources Information System

Table A-26: Other Dedicated Resources
 PNW Loads and Resource Study
 2007 - 2016 Operating Years
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	4559	4532	4529	4567	4567	4519	4479	4549	4555	4625
2 Total Generating Public Entities	4559	4532	4529	4567	4567	4519	4479	4549	4555	4625
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	4212	4299	4314	4343	4353	4373	4370	4427	4446	4503
4 Total Non-Generating Public Entities	4212	4299	4314	4343	4353	4373	4370	4427	4446	4503
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	4830	4770	4553	4537	4516	4228	4264	4309	4271	4321
6 Total Investor-owned Entities	4830	4770	4553	4537	4516	4228	4264	4309	4271	4321
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	4559	4532	4529	4567	4567	4519	4479	4549	4555	4625
8 Non Generating Entities	4212	4299	4314	4343	4353	4373	4370	4427	4446	4503
9 Investor-Owned Entities	4830	4770	4553	4537	4516	4228	4264	4309	4271	4321
10 Regional Total Dedicated Resources	13600	13601	13396	13447	13436	13120	13112	13284	13272	13449

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

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Loads & Resources Federal Tables
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	116	116	105	114	131	142	145	139	128	114	114	110	111	121	123
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	265	265	265	0	0	0	0	0	0	0	0	0	0	0	44
<i>Total Firm Non-Utility Obligations</i>	633	640	589	208	145	173	215	218	178	320	356	400	398	431	328
Transfers Out															
<i>NGP 2002 PSC</i>	2749	2764	2540	2669	3037	3370	3428	3317	2969	2800	2792	2777	2887	3010	2963
<i>GPU 2002 PSC</i>	1787	1788	1883	2239	2628	2901	2934	2878	2672	2374	2368	2151	1898	1867	2351
<i>NGP 2002 Slice PSC</i>	721	615	555	583	665	648	510	532	561	537	485	518	690	670	592
<i>GPU 2002 Slice PSC</i>	1200	1023	924	971	1107	1079	849	885	935	894	807	862	1148	1116	987
<i>IOU 2002 PSC</i>	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
<i>Exports</i>	893	893	883	636	632	645	642	640	630	643	644	677	680	676	690
<i>Regional Transfers (Out)</i>	421	423	305	308	609	622	619	564	411	380	378	184	244	243	409
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8152	7888	7472	7407	8677	9265	8982	8815	8179	7627	7473	7168	7547	7584	8056
<i>Total Firm Obligations</i>	8785	8528	8060	7615	8823	9439	9197	9034	8357	7947	7829	7568	7945	8015	8383
Hydro Resources															
<i>Regulated Hydro</i>	7856	6580	5886	6105	7074	6956	5379	5650	5876	5595	4917	5822	8064	7309	6383
<i>Independent Hydro</i>	417	415	347	336	270	206	144	153	232	389	472	665	701	410	359
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	136	136	136	136	136	136	136	136	136	132	132	132	132	132	134
<i>Total Hydro Resources</i>	8409	7130	6368	6577	7480	7297	5659	5938	6244	6115	5521	6619	8897	7851	6877
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	184	184	216	250	318	377	300	255	224	227	187	102	123	154	226
<i>Regional Transfers (In)</i>	1045	1043	1188	703	749	684	334	322	300	295	295	177	296	169	522
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	71	69	53	62	79	80	76	70	97	100	100	95	81	68	78
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	2320	2316	2479	2036	2171	2166	1737	1673	1646	1648	1608	751	679	1410	1725
<i>Total Resources</i>	10729	9446	8847	8613	9651	9464	7396	7611	7890	7763	7129	7370	9576	9261	8601
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-303	-266	-249	-243	-272	-267	-209	-215	-223	-219	-201	-208	-270	-261	-243
<i>Total Reserves, Maintenance & Losses</i>	-303	-266	-249	-243	-272	-267	-209	-215	-223	-219	-201	-208	-270	-261	-243
<i>Total Net Resources</i>	10427	9179	8597	8370	9379	9197	7188	7397	7668	7545	6928	7162	9306	9000	8359
<i>Total Firm Surplus/Deficit</i>	1642	651	537	755	556	-242	-2009	-1637	-690	-402	-901	-406	1362	985	-24

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Non-Utility Obligations</u>															
<i>Fed. Agencies 2002 PSC</i>	122	122	111	119	137	149	152	146	134	119	119	115	116	126	129
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	375	382	330	213	151	180	222	225	184	325	361	405	403	437	289
<u>Transfers Out</u>															
<i>NGP 2002 PSC</i>	2935	2935	2653	2744	3105	3441	3500	3353	3030	2855	2847	2828	2940	3066	3037
<i>GPU 2002 PSC</i>	1989	1989	2186	2209	2562	2799	2829	2756	2601	2333	2327	1966	1885	1894	2334
<i>NGP 2002 Slice PSC</i>	721	614	555	584	666	650	511	533	563	538	486	573	760	679	604
<i>GPU 2002 Slice PSC</i>	1201	1023	924	973	1110	1082	851	887	937	896	809	954	1266	1130	1007
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	669	669	661	635	629	643	640	638	627	641	633	661	661	659	647
<i>Regional Transfers (Out)</i>	214	214	253	308	609	622	619	557	411	379	379	184	244	243	387
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7728	7445	7231	7453	8681	9236	8950	8724	8169	7643	7481	7166	7755	7671	8015
<i>Total Firm Obligations</i>	8103	7827	7561	7667	8832	9416	9172	8949	8353	7967	7842	7570	8158	8108	8305
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	7876	6594	5898	6120	7090	6971	5393	5662	5891	5609	4931	5840	8082	7407	6405
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	132	132	132	132	132	132	132	132	132	130	130	130	130	130	131
<i>Total Hydro Resources</i>	8406	7122	6357	6588	7492	7309	5669	5947	6255	6128	5533	6635	8914	7947	6892
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	134	134	165	200	268	326	299	254	225	225	173	83	101	132	199
<i>Regional Transfers (In)</i>	194	194	339	328	374	310	334	315	300	295	295	177	296	169	286
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	71	69	53	62	79	80	76	70	97	100	100	95	81	68	77
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1419	1418	1578	1612	1746	1742	1737	1665	1647	1645	1594	1376	1490	1389	1585
<i>Total Resources</i>	9825	8539	7935	8200	9238	9051	7406	7612	7902	7773	7127	8012	10404	9336	8477
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-277	-241	-224	-231	-261	-255	-209	-215	-223	-219	-201	-226	-293	-263	-239
<i>Total Reserves, Maintenance & Losses</i>	-277	-241	-224	-231	-261	-255	-209	-215	-223	-219	-201	-226	-293	-263	-239
<i>Total Net Resources</i>	9548	8299	7711	7969	8978	8796	7197	7397	7679	7554	6926	7786	10110	9073	8238
<i>Total Firm Surplus/Deficit</i>	1445	471	150	302	145	-620	-1975	-1551	-675	-413	-916	215	1952	965	-66

Loads and Resources - Federal System
PNW Loads and Resource Study
2008 - 2009 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	128	128	116	129	149	162	164	158	145	129	128	124	126	136	139
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	380	387	335	223	163	193	235	237	195	334	371	414	412	446	299
Transfers Out															
<i>NGP 2002 PSC</i>	2988	2989	2705	2769	3135	3474	3533	3420	3058	2881	2872	2852	2964	3092	3072
<i>GPU 2002 PSC</i>	2012	2012	2195	2223	2579	2816	2847	2809	2624	2349	2343	1980	1899	1910	2353
<i>NGP 2002 Slice PSC</i>	730	622	556	586	668	651	513	535	564	546	494	527	707	700	600
<i>GPU 2002 Slice PSC</i>	1215	1036	926	976	1113	1085	854	890	940	909	823	878	1178	1166	1000
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	638	636	632	578	572	582	579	578	571	591	590	618	620	614	598
<i>Regional Transfers (Out)</i>	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7797	7509	7268	7441	8675	9230	8945	8794	8168	7653	7501	7040	7613	7725	8011
<i>Total Firm Obligations</i>	8177	7896	7603	7664	8839	9422	9179	9032	8364	7987	7871	7454	8026	8171	8310
Hydro Resources															
<i>Regulated Hydro</i>	7966	6671	5902	6124	7096	6976	5397	5666	5895	5674	5004	5913	8253	7643	6460
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	130	130	130	130	130	130	130	130	130	137	137	137	137	137	132
<i>Total Hydro Resources</i>	8495	7197	6358	6590	7496	7312	5671	5949	6257	6199	5613	6714	9091	8190	6948
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	109	111	145	182	251	304	278	233	204	203	173	83	101	132	184
<i>Regional Transfers (In)</i>	194	194	339	328	374	310	334	322	300	295	295	177	291	159	285
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	71	69	53	62	79	80	76	70	97	100	100	95	81	68	78
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1394	1395	1558	1594	1729	1720	1715	1652	1626	1624	1594	731	652	1379	1447
<i>Total Resources</i>	9889	8592	7916	8184	9225	9033	7386	7601	7883	7823	7207	7446	9743	9569	8395
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-279	-242	-223	-231	-260	-255	-208	-214	-222	-221	-203	-210	-275	-270	-237
<i>Total Reserves, Maintenance & Losses</i>	-279	-242	-223	-231	-260	-255	-208	-214	-222	-221	-203	-210	-275	-270	-237
<i>Total Net Resources</i>	9610	8349	7693	7954	8965	8778	7178	7386	7661	7603	7003	7236	9468	9299	8158
<i>Total Firm Surplus/Deficit</i>	1433	453	90	290	126	-644	-2001	-1645	-703	-385	-868	-218	1442	1128	-152

Loads and Resources - Federal System
PNW Loads and Resource Study
2009 - 2010 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	138	138	125	130	149	162	165	159	145	129	129	125	126	137	141
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	390	397	344	224	164	194	236	238	196	335	371	415	413	447	301
Transfers Out															
<i>NGP 2002 PSC</i>	3014	3014	2728	2791	3159	3501	3560	3446	3082	2903	2894	2873	2985	3114	3096
<i>GPU 2002 PSC</i>	2027	2027	2210	2239	2598	2835	2867	2829	2642	2366	2360	1996	1916	1927	2371
<i>NGP 2002 Slice PSC</i>	738	630	549	583	665	649	510	532	562	542	491	577	773	697	608
<i>GPU 2002 Slice PSC</i>	1230	1050	914	971	1108	1080	849	885	935	903	817	961	1287	1161	1013
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	713	712	710	676	671	680	676	676	670	690	690	717	712	705	691
<i>Regional Transfers (Out)</i>	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7935	7648	7364	7569	8810	9366	9082	8931	8302	7783	7630	7309	7918	7848	8166
<i>Total Firm Obligations</i>	8325	8045	7708	7793	8973	9560	9317	9169	8498	8118	8002	7723	8331	8295	8468
Hydro Resources															
<i>Regulated Hydro</i>	8168	6867	5911	6135	7109	6989	5407	5676	5905	5683	5011	5920	8263	7658	6486
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	137	137	137	137	137	137	137	137	137	141	141	141	141	141	138
<i>Total Hydro Resources</i>	8703	7399	6374	6608	7516	7332	5688	5965	6274	6212	5624	6726	9105	8209	6980
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	109	111	145	182	251	304	279	233	203	203	173	83	94	125	183
<i>Regional Transfers (In)</i>	184	184	329	318	364	300	324	312	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	71	69	53	101	105	103	100	97	124	108	108	106	106	102	98
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1384	1385	1548	1623	1745	1733	1730	1669	1642	1622	1592	1377	1499	1406	1580
<i>Total Resources</i>	10087	8784	7922	8231	9261	9065	7418	7634	7916	7834	7216	8103	10604	9614	8561
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-284	-248	-223	-232	-261	-256	-209	-215	-223	-221	-203	-229	-299	-271	-241
<i>Total Reserves, Maintenance & Losses</i>	-284	-248	-223	-232	-261	-256	-209	-215	-223	-221	-203	-229	-299	-271	-241
<i>Total Net Resources</i>	9802	8536	7699	7999	9000	8809	7208	7419	7693	7613	7012	7875	10305	9343	8319
<i>Total Firm Surplus/Deficit</i>	1477	492	-9.6	206	26	-751	-2109	-1751	-805	-505	-989	151	1975	1048	-148

Loads and Resources - Federal System
PNW Loads and Resource Study
2010 - 2011 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	139	139	125	130	150	163	166	160	146	130	130	125	127	138	142
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	391	398	344	224	164	194	236	239	196	336	372	415	413	448	302
Transfers Out															
<i>NGP 2002 PSC</i>	3035	3243	2748	2813	3186	3529	3589	3474	3107	2926	2917	2896	3008	3137	3129
<i>GPU 2002 PSC</i>	2044	2047	2226	2256	2617	2856	2888	2850	2660	2385	2378	2012	1933	1945	2389
<i>NGP 2002 Slice PSC</i>	747	639	557	588	670	653	514	536	566	546	494	528	708	701	603
<i>GPU 2002 Slice PSC</i>	1244	1064	928	978	1115	1087	856	892	942	909	823	879	1179	1168	1004
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	662	663	659	636	634	644	641	640	633	651	651	677	678	671	652
<i>Regional Transfers (Out)</i>	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7946	7870	7372	7578	8831	9391	9107	8955	8318	7796	7643	7175	7750	7866	8164
<i>Total Firm Obligations</i>	8337	8268	7717	7803	8995	9586	9343	9194	8515	8131	8015	7591	8164	8314	8466
Hydro Resources															
<i>Regulated Hydro</i>	8179	6875	5916	6142	7116	6997	5413	5681	5910	5688	5016	5925	8270	7666	6493
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	141	141	141	141	141	141	141	141	141	139	139	139	139	139	140
<i>Total Hydro Resources</i>	8718	7411	6383	6619	7528	7344	5698	5975	6283	6216	5628	6729	9110	8215	6989
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	103	138	169	240	294	268	223	193	193	168	76	94	124	175
<i>Regional Transfers (In)</i>	184	184	329	318	364	300	324	312	290	285	285	167	286	159	276
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1405	1404	1585	1610	1734	1722	1719	1659	1632	1612	1587	726	666	1405	1455
<i>Total Resources</i>	10123	8816	7968	8229	9261	9066	7417	7634	7916	7828	7214	7455	9777	9620	8444
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-285	-249	-225	-232	-261	-256	-209	-215	-223	-221	-203	-210	-276	-271	-238
<i>Total Reserves, Maintenance & Losses</i>	-285	-249	-225	-232	-261	-256	-209	-215	-223	-221	-203	-210	-276	-271	-238
<i>Total Net Resources</i>	9838	8567	7743	7997	9000	8810	7208	7418	7692	7607	7011	7245	9501	9349	8206
<i>Total Firm Surplus/Deficit</i>	1501	299	26	194	5.1	-776	-2136	-1776	-822	-524	-1004	-346	1337	1035	-260

Loads and Resources - Federal System
PNW Loads and Resource Study
2011 - 2012 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Non-Utility Obligations</u>															
<i>Fed. Agencies 2002 PSC</i>	139	139	126	131	151	164	167	159	147	130	130	126	128	139	142
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	391	398	345	225	165	195	237	238	197	336	373	416	414	449	303
<u>Transfers Out</u>															
<i>NGP 2002 PSC</i>	3054	3054	2766	2829	3204	3550	3611	3456	3125	2942	2933	2921	3041	3171	3139
<i>GPU 2002 PSC</i>	2061	2061	2243	2104	2447	2669	2714	2646	2471	2240	2234	1978	2147	1923	2303
<i>NGP 2002 Slice PSC</i>	748	640	558	589	671	654	515	537	567	547	495	582	778	702	614
<i>GPU 2002 Slice PSC</i>	1246	1066	930	980	1117	1089	857	894	944	911	825	969	1296	1170	1022
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	660	660	655	577	569	570	570	569	569	598	598	625	626	613	600
<i>Regional Transfers (Out)</i>	214	214	59	108	363	418	391	347	217	190	188	0.1	53	67	202
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7984	7696	7212	7187	8372	8950	8658	8449	7891	7427	7273	7075	7940	7647	7881
<i>Total Firm Obligations</i>	8375	8094	7557	7412	8537	9145	8895	8687	8088	7763	7645	7491	8354	8096	8183
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	8187	6881	5919	6147	7122	7003	5417	5685	5914	5692	5020	5929	8275	7672	6498
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	139	139	139	139	139	139	139	139	139	138	138	138	138	138	139
<i>Total Hydro Resources</i>	8724	7415	6385	6622	7532	7348	5701	5977	6286	6218	5630	6731	9114	8220	6992
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	104	137	169	239	293	268	223	193	196	168	76	94	125	175
<i>Regional Transfers (In)</i>	184	184	135	135	135	112	112	112	112	112	112	0	112	0	105
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1405	1405	1390	1427	1504	1534	1507	1459	1455	1442	1414	1204	1325	1247	1407
<i>Total Resources</i>	10129	8821	7775	8049	9036	8882	7208	7437	7741	7660	7044	7936	10439	9466	8400
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-286	-249	-219	-227	-255	-250	-203	-210	-218	-216	-199	-224	-294	-267	-237
<i>Total Reserves, Maintenance & Losses</i>	-286	-249	-219	-227	-255	-250	-203	-210	-218	-216	-199	-224	-294	-267	-237
<i>Total Net Resources</i>	9844	8572	7556	7822	8781	8631	7005	7227	7522	7444	6845	7712	10145	9199	8163
<i>Total Firm Surplus/Deficit</i>	1468	478	-0.9	410	244	-513	-1890	-1460	-566	-319	-800	221	1791	1104	-21

Loads and Resources - Federal System
PNW Loads and Resource Study
2012 - 2013 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	140	140	127	131	151	163	168	161	147	131	131	126	128	140	143
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	392	399	346	225	165	195	238	240	198	337	373	416	415	450	303
Transfers Out															
<i>NGP 2002 PSC</i>	3091	3091	2784	2833	3209	3556	3636	3524	3147	2962	2953	2940	3061	3192	3161
<i>GPU 2002 PSC</i>	1960	1960	2107	2123	2470	2692	2743	2744	2492	2263	2257	1998	2167	1946	2308
<i>NGP 2002 Slice PSC</i>	751	642	560	591	673	656	517	539	569	549	497	530	711	705	606
<i>GPU 2002 Slice PSC</i>	1251	1070	933	984	1121	1093	861	897	947	914	828	883	1184	1174	1009
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	601	601	598	566	557	558	558	557	557	586	586	613	613	602	581
<i>Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	189	189	0.1	53	67	184
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7667	7377	7025	7205	8393	8972	8705	8608	7928	7462	7310	6965	7789	7686	7849
<i>Total Firm Obligations</i>	8059	7777	7370	7430	8558	9167	8943	8848	8126	7799	7683	7382	8204	8136	8152
Hydro Resources															
<i>Regulated Hydro</i>	8207	6899	5931	6161	7139	7019	5431	5698	5928	5703	5028	5937	8287	7692	6512
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	138	138	138	138	138	138	138	138	138	136	136	136	136	136	137
<i>Total Hydro Resources</i>	8743	7432	6395	6635	7547	7363	5713	5989	6298	6228	5637	6739	9125	8238	7005
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	105	104	136	169	239	294	267	223	194	193	168	76	94	125	175
<i>Regional Transfers (In)</i>	0	0	135	135	135	112	112	112	112	112	112	0	112	0	90
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1221	1221	1389	1428	1504	1535	1506	1459	1456	1439	1414	559	492	1247	1269
<i>Total Resources</i>	9964	8653	7785	8063	9051	8898	7219	7448	7754	7667	7051	7298	9617	9485	8274
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-281	-244	-220	-227	-255	-251	-204	-210	-219	-216	-199	-206	-271	-267	-233
<i>Total Reserves, Maintenance & Losses</i>	-281	-244	-220	-227	-255	-251	-204	-210	-219	-216	-199	-206	-271	-267	-233
<i>Total Net Resources</i>	9683	8409	7565	7836	8795	8647	7015	7238	7536	7451	6852	7092	9346	9218	8040
<i>Total Firm Surplus/Deficit</i>	1624	633	195	406	237	-520	-1928	-1610	-591	-348	-831	-290	1142	1082	-111

Loads and Resources - Federal System
PNW Loads and Resource Study
2013 - 2014 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	141	141	127	132	153	165	169	163	149	132	132	127	129	141	144
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	393	400	346	226	167	196	239	242	199	338	374	417	416	451	304
Transfers Out															
<i>NGP 2002 PSC</i>	3111	3111	2803	2865	3247	3596	3679	3564	3184	2996	2987	2973	3094	3227	3195
<i>GPU 2002 PSC</i>	1982	1982	2128	2155	2507	2731	2782	2778	2526	2296	2290	2027	2196	1975	2340
<i>NGP 2002 Slice PSC</i>	753	644	562	593	675	658	519	540	571	550	498	585	782	707	618
<i>GPU 2002 Slice PSC</i>	1255	1073	936	987	1124	1096	864	900	950	916	830	974	1301	1178	1029
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	591	590	589	556	547	548	548	547	547	576	576	603	604	592	570
<i>Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7704	7413	7059	7264	8463	9048	8781	8676	7994	7523	7370	7163	7994	7713	7930
<i>Total Firm Obligations</i>	8097	7814	7405	7490	8630	9244	9021	8918	8193	7861	7744	7580	8410	8164	8234
Hydro Resources															
<i>Regulated Hydro</i>	8227	6917	5943	6176	7155	7036	5444	5711	5942	5714	5037	5946	8299	7711	6526
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	136	136	136	136	136	136	136	136	136	135	135	135	135	135	136
<i>Total Hydro Resources</i>	8762	7449	6406	6648	7562	7378	5725	6000	6311	6238	5644	6746	9135	8256	7018
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	104	104	137	169	239	294	267	223	194	193	168	76	94	125	175
<i>Regional Transfers (In)</i>	0	0	135	135	135	112	112	112	112	112	112	0	112	0	90
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1221	1221	1390	1428	1504	1535	1506	1459	1456	1439	1414	1204	1325	1247	1392
<i>Total Resources</i>	9983	8670	7796	8076	9066	8913	7231	7459	7767	7677	7058	7950	10460	9503	8410
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-282	-244	-220	-228	-256	-251	-204	-210	-219	-216	-199	-224	-295	-268	-237
<i>Total Reserves, Maintenance & Losses</i>	-282	-244	-220	-228	-256	-251	-204	-210	-219	-216	-199	-224	-295	-268	-237
<i>Total Net Resources</i>	9701	8425	7576	7849	8810	8662	7027	7249	7548	7460	6859	7726	10165	9235	8172
<i>Total Firm Surplus/Deficit</i>	1604	612	170	359	180	-582	-1994	-1669	-645	-401	-885	146	1755	1071	-62

Loads and Resources - Federal System
PNW Loads and Resource Study
2014 - 2015 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Non-Utility Obligations															
<i>Fed. Agencies 2002 PSC</i>	143	143	128	134	154	166	170	164	150	133	133	128	130	143	145
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	395	402	347	228	168	198	241	243	200	339	375	418	417	453	306
Transfers Out															
<i>NGP 2002 PSC</i>	3145	3145	2835	2898	3284	3637	3720	3605	3220	3030	3020	3006	3127	3261	3230
<i>GPU 2002 PSC</i>	2011	2011	2160	2186	2541	2772	2823	2822	2560	2329	2323	2056	2227	2007	2374
<i>NGP 2002 Slice PSC</i>	755	647	564	594	677	660	520	542	572	552	500	533	714	709	609
<i>GPU 2002 Slice PSC</i>	1258	1077	938	990	1127	1100	867	903	953	919	832	888	1190	1181	1015
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	579	577	577	544	535	536	535	535	535	564	564	588	590	575	558
<i>Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7761	7469	7116	7321	8528	9122	8856	8754	8057	7583	7427	7070	7866	7767	7965
<i>Total Firm Obligations</i>	8156	7871	7463	7548	8696	9320	9096	8997	8258	7922	7803	7489	8283	8220	8271
Hydro Resources															
<i>Regulated Hydro</i>	8243	6932	5953	6187	7168	7048	5455	5721	5954	5723	5042	5952	8308	7727	6537
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	135	135	135	135	135	135	135	135	135	133	133	133	133	133	134
<i>Total Hydro Resources</i>	8776	7462	6414	6658	7573	7389	5734	6008	6321	6245	5648	6751	9143	8270	7027
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	103	104	137	169	240	293	267	223	194	193	168	76	94	121	175
<i>Regional Transfers (In)</i>	0	0	112	112	112	112	112	112	112	112	112	0	112	0	84
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	355	167	1000	877
<i>Non-Utility Generation</i>	96	97	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1220	1221	1367	1405	1482	1534	1506	1459	1456	1439	1414	559	492	1243	1263
<i>Total Resources</i>	9995	8683	7781	8064	9055	8923	7240	7468	7777	7684	7062	7310	9635	9513	8290
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-282	-245	-219	-227	-255	-252	-204	-211	-219	-217	-199	-206	-272	-268	-234
<i>Total Reserves, Maintenance & Losses</i>	-282	-245	-219	-227	-255	-252	-204	-211	-219	-217	-199	-206	-272	-268	-234
<i>Total Net Resources</i>	9714	8438	7562	7836	8800	8672	7036	7257	7558	7467	6863	7104	9363	9245	8056
<i>Total Firm Surplus/Deficit</i>	1557	567	99	288	104	-648	-2061	-1740	-700	-454	-940	-385	1080	1025	-215

Loads and Resources - Federal System
PNW Loads and Resource Study
2015 - 2016 Operating Year
1937 Water Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Non-Utility Obligations</u>															
<i>Fed. Agencies 2002 PSC</i>	144	144	130	135	156	168	172	164	151	134	134	130	131	145	147
<i>USBR 2002 PSC</i>	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	397	403	349	230	170	199	242	243	202	340	376	419	418	455	307
<u>Transfers Out</u>															
<i>NGP 2002 PSC</i>	3179	3179	2867	2933	3323	3682	3764	3592	3259	3066	3056	3041	3163	3298	3263
<i>GPU 2002 PSC</i>	2042	2042	2191	2219	2580	2813	2864	2789	2599	2365	2358	2087	2260	2039	2404
<i>NGP 2002 Slice PSC</i>	758	649	565	596	679	662	522	544	574	553	501	588	785	712	621
<i>GPU 2002 Slice PSC</i>	1262	1080	941	993	1131	1103	870	906	956	922	834	979	1307	1185	1035
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	561	562	561	531	523	524	523	523	523	552	551	550	550	552	539
<i>Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7814	7524	7168	7381	8599	9201	8935	8701	8127	7646	7490	7245	8083	7819	8041
<i>Total Firm Obligations</i>	8211	7928	7516	7611	8769	9400	9177	8943	8329	7986	7867	7664	8501	8274	8348
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	8258	6947	5963	6199	7181	7061	5466	5731	5965	5731	5048	5959	8317	7743	6548
<i>Independent Hydro</i>	398	396	327	336	270	206	144	153	232	389	472	665	701	410	356
<i>Operational Peaking Adj.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Non-Fed CER (Canada)</i>	133	133	133	133	133	133	133	133	133	132	132	132	132	132	133
<i>Total Hydro Resources</i>	8790	7475	6422	6669	7584	7400	5743	6017	6331	6252	5652	6755	9150	8284	7037
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Combustion Turbines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Renewables</i>	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>Cogeneration</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Imports</i>	99	99	129	165	236	289	263	219	191	193	168	76	94	110	171
<i>Regional Transfers (In)</i>	0	0	112	112	112	112	112	112	112	112	112	0	112	0	84
<i>Large Thermal</i>	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<i>Non-Utility Generation</i>	96	97	97	101	105	103	100	97	124	108	108	106	106	102	104
<i>Augmentation Purchases</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Augmentation Resources</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	1215	1216	1359	1401	1478	1530	1503	1455	1453	1439	1414	1204	1325	1232	1382
<i>Total Resources</i>	10005	8692	7781	8069	9062	8930	7246	7472	7784	7691	7066	7959	10475	9516	8418
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Hydro Maint.</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Federal Trans. Losses</i>	-282	-245	-219	-228	-256	-252	-204	-211	-219	-217	-199	-224	-295	-268	-237
<i>Total Reserves, Maintenance & Losses</i>	-282	-245	-219	-228	-256	-252	-204	-211	-219	-217	-199	-224	-295	-268	-237
<i>Total Net Resources</i>	9723	8447	7562	7842	8807	8679	7042	7261	7564	7474	6867	7735	10179	9248	8181
<i>Total Firm Surplus/Deficit</i>	1512	519	46	231	37	-722	-2135	-1682	-765	-512	-1000	71	1679	974	-167

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

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Loads & Resources Regional Tables
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	19816	19812	18638	19094	20945	22982	23469	22468	20840	19694	19683	19308	19784	20617	20637
<i>Exports</i>	1485	1485	1479	912	862	875	873	870	860	873	866	794	1031	1116	1002
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21300	21297	20117	20006	21808	23858	24341	23338	21701	20567	20550	20102	20814	21733	21640
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21300	21297	20131	20006	21808	23858	24345	23361	21755	20601	20583	20102	20814	21733	21650
Hydro Resources															
<i>Regulated Hydro</i>	11812	10114	9504	10120	11700	12103	9653	9125	9709	10116	9017	9800	13934	11760	10662
<i>Independent Hydro</i>	988	1013	949	957	889	980	743	736	877	1136	1190	1506	1539	1100	1037
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	12800	11127	10452	11077	12589	13083	10396	9862	10586	11252	10207	11306	15473	12861	11698
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2393	2422	2500	2296	2309	2300	2272	2274	1994	1941	1941	2029	2047	2679	2254
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	61	51	81	80
<i>Cogeneration</i>	2085	2085	1984	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1984
<i>Imports</i>	1057	1029	974	965	1230	1443	1264	1174	992	949	929	848	1052	1139	1089
<i>Large Thermal</i>	6318	6318	6190	6225	6323	6323	6323	6323	6283	6304	5833	3398	4391	6329	5875
<i>Non-Utility Generation</i>	1385	1385	1349	1266	1272	1303	1253	1242	1434	1358	1356	1525	1661	1598	1387
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13319	13319	13078	12943	13336	13574	13325	13221	12284	12745	12252	9241	11293	13902	12668
<i>Total Resources</i>	26119	24446	23530	24020	25926	26656	23721	23083	22870	23998	22459	20547	26766	26763	24366
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-736	-689	-663	-677	-731	-752	-669	-651	-645	-677	-633	-579	-754	-753	-687
<i>Total Reserves, Maintenance & Losses-766</i>	-713	-672	-686	-735	-752	-669	-651	-650	-684	-641	-599	-769	-803	-699	
<i>Total Net Resources</i>	25353	23733	22858	23334	25191	25905	23052	22432	22220	23314	21818	19948	25997	25960	23667
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	4053	2435	2741	3328	3383	2047	-1289	-906	519	2746	1269	-154	5182	4227	2028
<i>Total Surplus/Deficit</i>	4053	2435	2726	3328	3383	2047	-1293	-929	465	2713	1235	-154	5182	4227	2017

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Firm Regional Loads</u>															
<i>Regional Firm Loads</i>	20378	20374	19176	19534	21378	23417	23912	22788	21209	20084	20073	19679	20180	21048	21065
<i>Exports</i>	1147	1148	1140	883	834	848	844	842	831	846	830	752	930	938	902
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21525	21522	20317	20416	22212	24264	24757	23630	22040	20930	20902	20431	21110	21986	21967
<u>Non-Firm Regional Loads</u>															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21525	21522	20331	20416	22212	24264	24760	23653	22094	20963	20936	20431	21110	21986	21978
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	11832	10129	9516	10135	11716	12119	9667	9138	9724	10131	9031	9818	13953	11858	10684
<i>Independent Hydro</i>	983	1008	945	955	888	965	743	736	877	1136	1190	1506	1539	1100	1034
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	12815	11137	10460	11090	12604	13083	10410	9874	10601	11266	10221	11324	15491	12959	11718
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2743	2771	2787	2742	2711	2720	2673	2590	2409	2320	2320	1795	2065	2673	2520
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	72	62	81	81
<i>Cogeneration</i>	2085	2085	2071	2107	2118	2118	2125	2094	1389	2100	2100	1381	2059	2076	1977
<i>Imports</i>	1034	1007	877	927	1180	1423	1244	1206	1025	974	941	882	1062	1162	1081
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6261	6344	5869	4834	5829	6344	6148
<i>Non-Utility Generation</i>	1441	1440	1402	1320	1327	1304	1278	1262	1474	1371	1370	1554	1682	1615	1419
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13726	13726	13562	13523	13764	13994	13752	13582	12644	13194	12686	10518	12759	13952	13226
<i>Total Resources</i>	26541	24863	24023	24613	26368	27078	24162	23456	23244	24461	22907	21842	28250	26910	24944
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-748	-700	-677	-694	-743	-764	-681	-661	-655	-690	-646	-615	-796	-757	-703
<i>Total Reserves, Maintenance & Losses-778</i>	-725	-686	-703	-747	-764	-681	-661	-661	-697	-653	-635	-811	-807	-715	
<i>Total Net Resources</i>	25763	24138	23337	23910	25621	26314	23480	22795	22584	23764	22253	21206	27440	26104	24229
<u>Surplus/Deficits</u>															
<i>Firm Surplus/Deficit</i>	4238	2616	3020	3494	3409	2050	-1277	-835	544	2834	1351	775	6329	4118	2262
<i>Total Surplus/Deficit</i>	4238	2616	3006	3494	3409	2050	-1280	-858	490	2800	1317	775	6329	4118	2251

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2008 - 2009 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Firm Regional Loads</u>															
<i>Regional Firm Loads</i>	20749	20746	19576	19791	21627	23719	24218	23158	21503	20357	20346	19927	20475	21354	21371
<i>Exports</i>	909	906	908	826	777	787	784	783	776	795	787	709	890	893	819
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	21658	21652	20484	20617	22404	24506	25001	23941	22278	21152	21133	20636	21365	22247	22190
<u>Non-Firm Regional Loads</u>															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	21658	21652	20498	20617	22404	24506	25005	23964	22333	21186	21167	20636	21365	22247	22201
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	11922	10206	9519	10139	11722	12124	9671	9142	9727	10196	9104	9890	14123	12094	10739
<i>Independent Hydro</i>	983	1008	945	955	880	956	734	728	868	1127	1182	1498	1530	1092	1028
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	12905	11213	10464	11094	12601	13080	10405	9870	10596	11323	10286	11388	15653	13186	11767
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2737	2765	2843	2721	2681	2726	2675	2651	2380	2324	2324	1887	2120	2670	2536
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	51	29	81	77
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	868	1022	965	843	1017	1206	969	943	862	811	801	753	817	988	926
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6175	5287	4846	3695	5382	6344	5922
<i>Non-Utility Generation</i>	1450	1453	1425	1344	1354	1327	1279	1263	1475	1372	1372	1555	1683	1616	1429
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13564	13749	13752	13442	13598	13807	13480	13409	12474	11987	11536	9321	12121	13774	12883
<i>Total Resources</i>	26470	24963	24216	24536	26199	26887	23885	23279	23070	23310	21821	20709	27774	26961	24650
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-746	-703	-683	-692	-739	-758	-674	-656	-650	-657	-615	-583	-783	-759	-695
<i>Total Reserves, Maintenance & Losses-776</i>	-728	-728	-691	-701	-743	-758	-674	-656	-656	-665	-623	-603	-797	-808	-707
<i>Total Net Resources</i>	25694	24235	23525	23836	25457	26128	23212	22623	22414	22645	21199	20106	26977	26152	23943
<u>Surplus/Deficits</u>															
<i>Firm Surplus/Deficit</i>	4036	2583	3041	3219	3053	1623	-1790	-1318	136	1493	66	-530	5612	3906	1753
<i>Total Surplus/Deficit</i>	4036	2583	3027	3219	3053	1623	-1793	-1341	82	1459	32	-530	5612	3906	1743

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Firm Regional Loads</u>															
<i>Regional Firm Loads</i>	21044	21040	19852	20035	21909	24006	24487	23437	21776	20604	20592	20176	20746	21624	21641
<i>Exports</i>	983	983	985	924	875	884	881	881	875	895	886	809	982	983	913
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22027	22023	20837	20959	22785	24890	25368	24317	22650	21499	21478	20984	21728	22608	22553
<u>Non-Firm Regional Loads</u>															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22027	22023	20851	20959	22785	24890	25372	24340	22705	21533	21512	20984	21728	22608	22564
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	12124	10401	9528	10150	11734	12137	9681	9151	9738	10204	9111	9898	14133	12109	10765
<i>Independent Hydro</i>	974	999	936	947	880	956	734	728	868	1127	1182	1495	1541	1103	1028
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13098	11401	10464	11097	12614	13093	10415	9879	10606	11332	10293	11393	15675	13212	11793
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2740	2768	2841	2740	2694	2724	2672	2638	2374	2239	2239	1717	2131	2658	2515
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	83	51	81	81
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2057	2108	1381	2091	2076	1991
<i>Imports</i>	856	830	774	785	892	1017	973	947	867	815	805	760	863	940	873
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6201	5533	5488	5252	5538	6344	6104
<i>Non-Utility Generation</i>	1451	1452	1424	1383	1380	1349	1302	1290	1503	1380	1380	1566	1716	1651	1450
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13556	13559	13558	13442	13513	13639	13503	13427	12526	12110	12105	10759	12391	13750	13014
<i>Total Resources</i>	26654	24960	24023	24539	26127	26732	23919	23306	23132	23442	22398	22152	28066	26963	24807
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-751	-703	-677	-692	-737	-754	-675	-657	-652	-661	-631	-624	-791	-759	-699
<i>Total Reserves, Maintenance & Losses</i>	-781	-728	-686	-701	-740	-754	-675	-657	-657	-668	-639	-644	-805	-808	-711
<i>Total Net Resources</i>	25873	24232	23337	23838	25386	25978	23244	22649	22475	22773	21759	21507	27260	26155	24096
<u>Surplus/Deficits</u>															
<i>Firm Surplus/Deficit</i>	3846	2210	2500	2879	2602	1087	-2124	-1668	-175	1275	281	523	5533	3547	1542
<i>Total Surplus/Deficit</i>	3846	2210	2485	2879	2602	1087	-2127	-1691	-230	1241	247	523	5533	3547	1532

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2010 - 2011 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Firm Regional Loads</u>															
<i>Regional Firm Loads</i>	21339	21331	20114	20284	22196	24349	24807	23713	22043	20853	20841	20439	21026	21909	21922
<i>Exports</i>	933	934	935	883	839	849	846	845	838	856	847	769	948	950	874
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22272	22265	21049	21167	23035	25198	25653	24558	22880	21709	21688	21208	21974	22859	22796
<u>Non-Firm Regional Loads</u>															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22272	22265	21063	21167	23035	25198	25657	24581	22935	21743	21722	21208	21974	22859	22806
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	12135	10409	9533	10157	11742	12144	9687	9157	9743	10210	9116	9903	14140	12117	10772
<i>Independent Hydro</i>	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13120	11420	10481	11115	12633	13098	10418	9882	10609	11334	10295	11398	15682	13221	11802
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2752	2781	2844	2672	2694	2711	2659	2659	2390	2333	2333	1714	2136	2665	2520
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	61	51	81	80
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	814	785	775	777	888	1012	878	851	771	723	717	674	785	856	815
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6201	5489	5317	4580	4953	6344	5990
<i>Non-Utility Generation</i>	1478	1478	1467	1383	1387	1355	1308	1298	1510	1387	1386	1567	1709	1651	1458
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13553	13552	13605	13366	13515	13626	13402	13361	12454	12126	11947	9975	11725	13672	12858
<i>Total Resources</i>	26673	24972	24086	24480	26148	26724	23820	23243	23063	23460	22242	21373	27407	26893	24659
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-751	-704	-679	-690	-737	-754	-672	-655	-650	-661	-627	-602	-772	-757	-695
<i>Total Reserves, Maintenance & Losses</i>	-781	-728	-688	-699	-741	-754	-672	-655	-655	-669	-635	-622	-787	-806	-707
<i>Total Net Resources</i>	25891	24244	23399	23781	25407	25970	23149	22588	22408	22791	21607	20751	26620	26086	23952
<u>Surplus/Deficits</u>															
<i>Firm Surplus/Deficit</i>	3620	1979	2349	2614	2372	773	-2505	-1970	-473	1082	-81	-457	4646	3228	1156
<i>Total Surplus/Deficit</i>	3620	1979	2335	2614	2372	773	-2508	-1993	-527	1048	-115	-457	4646	3228	1146

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2011 - 2012 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	21646	21641	20387	20554	22484	24601	25110	23825	22072	21145	21132	20717	21266	22197	22166
<i>Exports</i>	931	932	931	824	774	775	774	774	773	802	795	717	886	881	820
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22578	22573	21318	21378	23258	25375	25884	24599	22846	21947	21926	21434	22152	23079	22986
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22578	22573	21332	21378	23258	25375	25887	24622	22900	21981	21960	21434	22152	23079	22997
Hydro Resources															
<i>Regulated Hydro</i>	12142	10415	9537	10162	11748	12150	9691	9161	9747	10213	9120	9906	14145	12123	10776
<i>Independent Hydro</i>	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13128	11426	10484	11120	12639	13103	10423	9886	10613	11338	10299	11401	15687	13227	11806
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2759	2788	2855	2665	2693	2724	2680	2658	2395	2338	2338	1876	2142	2673	2539
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	83	40	81	81
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	737	708	694	697	805	929	886	864	783	734	727	680	781	864	786
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6261	5682	5682	4492	6169	6344	6113
<i>Non-Utility Generation</i>	1477	1479	1468	1383	1387	1355	1309	1298	1509	1386	1386	1567	1709	1651	1458
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13482	13484	13536	13279	13432	13556	13432	13372	12530	12334	12326	10078	12932	13689	12971
<i>Total Resources</i>	26610	24910	24021	24399	26071	26659	23854	23258	23142	23672	22625	21479	28618	26915	24777
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-750	-702	-677	-688	-735	-752	-673	-656	-652	-667	-638	-605	-807	-758	-698
<i>Total Reserves, Maintenance & Losses-780</i>	-726	-686	-697	-739	-752	-673	-656	-658	-675	-645	-625	-821	-807	-710	-710
<i>Total Net Resources</i>	25830	24184	23335	23702	25332	25908	23182	22603	22485	22998	21980	20854	27797	26108	24067
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	3253	1611	2017	2324	2073	532	-2702	-1996	-361	1050	53	-580	5646	3030	1081
<i>Total Surplus/Deficit</i>	3253	1611	2003	2324	2073	532	-2706	-2019	-415	1017	20	-580	5646	3030	1070

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	21939	21934	20635	20798	22696	24879	25423	24448	22633	21410	21397	20976	21536	22489	22488
<i>Exports</i>	862	863	864	794	742	743	742	742	741	770	763	685	853	850	782
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22801	22797	21499	21591	23438	25622	26165	25190	23374	22180	22159	21661	22389	23339	23270
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	22801	22797	21513	21591	23438	25622	26169	25213	23428	22214	22193	21661	22389	23339	23280
Hydro Resources															
<i>Regulated Hydro</i>	12163	10433	9549	10176	11765	12166	9705	9174	9761	10225	9128	9915	14157	12143	10790
<i>Independent Hydro</i>	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13148	11444	10496	11134	12655	13120	10436	9899	10627	11349	10307	11410	15699	13246	11821
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2756	2784	2847	2659	2696	2712	2684	2662	2402	2343	2343	1873	2137	2667	2538
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	72	40	81	80
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	742	713	696	701	795	924	880	860	790	737	733	687	788	872	788
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6135	5856	5656	4247	5124	6344	6001
<i>Non-Utility Generation</i>	1478	1480	1469	1384	1387	1356	1309	1298	1509	1387	1386	1565	1717	1593	1454
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13484	13486	13531	13277	13424	13540	13430	13372	12419	12517	12312	9824	11897	13632	12854
<i>Total Resources</i>	26633	24930	24027	24412	26079	26660	23866	23271	23046	23866	22619	21234	27595	26878	24674
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-750	-702	-677	-688	-735	-752	-673	-656	-650	-673	-638	-598	-778	-757	-695
<i>Total Reserves, Maintenance & Losses-780</i>	-727	-727	-686	-697	-739	-752	-673	-656	-655	-680	-645	-618	-792	-806	-708
<i>Total Net Resources</i>	25853	24203	23341	23714	25340	25908	23193	22615	22391	23186	21974	20615	26803	26073	23967
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	3051	1407	1842	2123	1902	286	-2972	-2575	-983	1005	-185	-1046	4415	2733	697
<i>Total Surplus/Deficit</i>	3051	1407	1828	2123	1902	286	-2975	-2598	-1038	972	-219	-1046	4415	2733	686

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2013 - 2014 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	22230	22224	20910	21094	23010	25225	25794	24744	22962	21716	21703	21255	21825	22794	22796
<i>Exports</i>	832	831	834	784	732	733	732	732	731	760	752	674	843	840	769
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	23062	23056	21744	21877	23742	25958	26527	25476	23693	22477	22455	21929	22668	23634	23564
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	23062	23056	21758	21877	23742	25958	26530	25499	23747	22510	22489	21929	22668	23634	23575
Hydro Resources															
<i>Regulated Hydro</i>	12183	10452	9561	10191	11781	12183	9718	9187	9775	10236	9137	9924	14170	12163	10805
<i>Independent Hydro</i>	986	1011	947	958	891	954	735	727	868	1127	1182	1498	1544	1106	1032
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13169	11463	10508	11149	12672	13136	10453	9914	10643	11363	10318	11422	15713	13268	11836
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2759	2787	2858	2663	2693	2707	2694	2680	2419	2353	2353	1791	2157	2677	2539
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	61	73	81	81
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	748	719	702	706	800	930	886	866	796	743	738	693	795	880	794
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6261	6160	6141	5224	6215	6344	6217
<i>Non-Utility Generation</i>	1430	1432	1412	1329	1333	1299	1258	1251	1458	1337	1337	1521	1658	1592	1407
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13446	13447	13491	13232	13373	13484	13395	13349	12517	12787	12762	10671	12989	13650	13031
<i>Total Resources</i>	26615	24909	23999	24381	26045	26620	23849	23263	23159	24150	23081	22092	28702	26918	24867
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-750	-702	-677	-687	-734	-751	-673	-656	-653	-681	-651	-622	-809	-758	-701
<i>Total Reserves, Maintenance & Losses-780</i>	-726	-685	-696	-738	-751	-673	-656	-658	-688	-658	-642	-823	-807	-713	-713
<i>Total Net Resources</i>	25835	24183	23314	23685	25307	25869	23176	22607	22501	23461	22422	21450	27879	26111	24154
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	2773	1127	1571	1807	1565	-89	-3351	-2870	-1192	985	-33	-479	5210	2477	590
<i>Total Surplus/Deficit</i>	2773	1127	1556	1807	1565	-89	-3354	-2893	-1246	951	-66	-479	5210	2477	579

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2014 - 2015 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<u>Firm Regional Loads</u>															
<i>Regional Firm Loads</i>	22535	22530	21199	21387	23347	25590	26156	25063	23286	22019	22004	21549	22131	23118	23114
<i>Exports</i>	820	818	823	772	720	721	680	680	679	708	700	619	789	784	732
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	23355	23348	22022	22159	24067	26311	26836	25743	23965	22727	22705	22168	22921	23901	23847
<u>Non-Firm Regional Loads</u>															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	23355	23348	22036	22159	24067	26311	26840	25766	24019	22761	22738	22168	22921	23901	23857
<u>Hydro Resources</u>															
<i>Regulated Hydro</i>	12199	10466	9571	10203	11794	12196	9729	9197	9787	10244	9142	9930	14178	12178	10816
<i>Independent Hydro</i>	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13188	11481	10520	11163	12688	13153	10464	9924	10654	11372	10324	11428	15722	13284	11848
<u>Other Resources</u>															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2777	2806	2869	2681	2717	2734	2706	2684	2425	2365	2365	1873	2159	2688	2558
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	72	51	81	81
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	754	726	710	712	807	934	892	873	802	748	744	701	803	883	800
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6301	5436	5374	3820	4953	6344	5936
<i>Non-Utility Generation</i>	1428	1432	1412	1329	1333	1299	1259	1251	1458	1337	1337	1522	1658	1592	1407
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13468	13472	13510	13255	13404	13515	13413	13360	12568	12080	12013	9368	11715	13664	12774
<i>Total Resources</i>	26656	24953	24030	24418	26091	26668	23877	23284	23222	23452	22337	20796	27437	26948	24623
<u>Reserves & Maintenance</u>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-751	-703	-677	-688	-736	-752	-673	-657	-655	-661	-630	-586	-773	-759	-694
<i>Total Reserves, Maintenance & Losses</i>	-781	-728	-686	-697	-739	-752	-673	-657	-660	-669	-637	-606	-788	-808	-706
<i>Total Net Resources</i>	25875	24225	23344	23721	25352	25916	23204	22628	22563	22783	21700	20190	26649	26140	23917
<u>Surplus/Deficits</u>															
<i>Firm Surplus/Deficit</i>	2520	877	1322	1562	1285	-395	-3632	-3115	-1403	56	-1005	-1978	3728	2239	70
<i>Total Surplus/Deficit</i>	2520	877	1308	1562	1285	-395	-3636	-3138	-1457	22	-1038	-1978	3728	2239	59

Loads and Resources - Pacific Northwest Region
 PNW Loads and Resource Study
 2015 - 2016 Operating Year
 1937 Water Year
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Regional Loads															
<i>Regional Firm Loads</i>	22859	22853	21501	21695	23676	25952	26536	25096	23616	22334	22319	21852	22449	23457	23418
<i>Exports</i>	762	762	767	719	668	669	668	668	667	696	688	558	725	726	691
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	23621	23616	22268	22414	24344	26621	27204	25763	24283	23030	23007	22410	23174	24183	24108
Non-Firm Regional Loads															
<i>Regional Non-Firm Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Non-Firm Regional Loads</i>	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>Total Loads</i>	23621	23616	22282	22414	24344	26621	27207	25786	24338	23064	23041	22410	23174	24183	24119
Hydro Resources															
<i>Regulated Hydro</i>	12214	10481	9580	10214	11807	12209	9740	9207	9798	10253	9148	9936	14187	12194	10827
<i>Independent Hydro</i>	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	13203	11495	10530	11174	12701	13166	10475	9934	10666	11380	10330	11434	15731	13300	11859
Other Resources															
<i>Small Thermal & Misc.</i>	0	0	0	0	0.2	0.2	0.2	0.2	0	0	0	0	0	0	0.1
<i>Combustion Turbines</i>	2778	2806	2868	2681	2717	2734	2706	2684	2425	2364	2364	1871	2160	2688	2558
<i>Renewables</i>	81	81	81	83	85	87	88	87	86	86	86	62	51	81	80
<i>Cogeneration</i>	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993
<i>Imports</i>	757	729	709	713	808	937	895	874	804	753	750	709	810	880	803
<i>Large Thermal</i>	6344	6344	6344	6344	6344	6344	6344	6344	6283	5680	5634	4910	5911	6344	6126
<i>Non-Utility Generation</i>	1428	1432	1412	1328	1332	1299	1258	1251	1458	1338	1337	1522	1658	1592	1407
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	13471	13477	13508	13255	13404	13518	13416	13362	12552	12329	12279	10454	12681	13661	12966
<i>Total Resources</i>	26674	24972	24038	24430	26105	26684	23891	23296	23218	23709	22609	21888	28412	26961	24825
Reserves & Maintenance															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal & Misc. Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Contract Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Large Thermal Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Hydro Maintenance</i>	-30	-25	-8.6	-9	-3.8	0	0	0	-5.2	-7.4	-7.6	-20	-14	-49	-12
<i>Spinning Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Regional Transmission Losses</i>	-751	-704	-678	-689	-736	-752	-674	-657	-655	-668	-637	-617	-801	-759	-700
<i>Total Reserves, Maintenance & Losses</i>	-781	-728	-686	-698	-740	-752	-674	-657	-660	-676	-645	-637	-815	-808	-712
<i>Total Net Resources</i>	25893	24244	23351	23732	25365	25932	23217	22639	22558	23034	21964	21251	27597	26153	24114
Surplus/Deficits															
<i>Firm Surplus/Deficit</i>	2272	628	1084	1318	1021	-689	-3987	-3125	-1726	3.3	-1043	-1158	4423	1970	5.1
<i>Total Surplus/Deficit</i>	2272	628	1070	1318	1021	-689	-3990	-3148	-1780	-30	-1077	-1158	4423	1970	-5.6

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

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50-Water Year Surplus/Deficit
Federal Tables
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Federal Surplus/Deficit by Water Year
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2826	7.9	617	423	541	-572	-517	-1838	-430	-686	-1144	-867	2394	1365	135
1930 Federal Surplus/Deficit	1104	396	530	811	642	-139	-2019	-870	-503	-252	-715	-919	1234	1803	70
1931 Federal Surplus/Deficit	1698	718	387	824	616	-666	-1960	-1846	-694	40	-1320	-954	1176	1536	-84
1932 Federal Surplus/Deficit	1458	790	664	541	487	-518	-1911	-2042	649	2994	3827	4699	3420	2794	1110
1933 Federal Surplus/Deficit	1266	1542	1025	795	179	275	2971	1195	129	861	1642	2845	2704	2352	1427
1934 Federal Surplus/Deficit	2989	2354	1263	1454	1781	4995	2807	2728	2772	3079	3787	4386	883	1982	2596
1935 Federal Surplus/Deficit	828	245	342	582	128	-396	2191	2783	-622	550	1793	2108	2777	2720	1193
1936 Federal Surplus/Deficit	2446	459	622	677	520	-279	-1375	-1704	-515	78	3207	5284	3103	1512	912
1937 Federal Surplus/Deficit	1642	651	537	755	556	-242	-2009	-1637	-690	-402	-901	-406	1362	985	-24
1938 Federal Surplus/Deficit	1367	453	542	855	319	-83	2433	-98	1810	2267	3191	5149	3742	2476	1732
1939 Federal Surplus/Deficit	741	494	1030	876	506	-252	383	-1660	52	742	1623	2964	919	1928	712
1940 Federal Surplus/Deficit	2004	727	488	953	463	-42	-111	-833	1925	1187	2910	2345	1477	1381	955
1941 Federal Surplus/Deficit	614	122	459	865	368	38	236	-1713	-739	-225	-1003	612	1344	1101	194
1942 Federal Surplus/Deficit	645	567	1002	688	179	1459	2539	-180	-1200	81	1110	2214	3859	3461	1269
1943 Federal Surplus/Deficit	2705	1575	590	745	315	-156	2029	1911	2702	3300	3861	4957	3678	3158	2138
1944 Federal Surplus/Deficit	2843	1090	680	698	456	-279	60	-1750	-1156	-927	-1600	-949	292	962	-24
1945 Federal Surplus/Deficit	701	390	589	603	509	-776	-1870	-1329	-816	-724	-1231	2206	3795	1634	343
1946 Federal Surplus/Deficit	967	639	485	567	463	-121	1171	301	3044	2913	4047	5462	3401	3177	1853
1947 Federal Surplus/Deficit	2743	1113	1057	532	420	2663	2958	2623	3252	1612	2326	4672	3623	3298	2416
1948 Federal Surplus/Deficit	1984	346	888	2856	1117	1726	3868	324	1684	1290	3896	5766	5285	3180	2538
1949 Federal Surplus/Deficit	3144	2807	1255	941	384	-49	322	-162	3503	2169	4135	5188	3453	737	1808
1950 Federal Surplus/Deficit	714	-94	275	714	314	-430	966	3129	4132	3483	3673	4447	2533	2767	1895
1951 Federal Surplus/Deficit	2593	1698	1086	1609	1529	3371	3459	2876	2833	3571	3939	5388	3468	3241	2897
1952 Federal Surplus/Deficit	3177	1719	1013	2300	459	1710	2667	1305	1469	3955	4317	5493	3994	2423	2451
1953 Federal Surplus/Deficit	1976	335	717	709	552	-471	118	1848	15	118	1581	3860	3410	3121	1324
1954 Federal Surplus/Deficit	2703	1339	949	882	477	928	1296	2812	1800	2603	2755	4994	2723	2545	2009
1955 Federal Surplus/Deficit	4113	3684	3183	1052	618	1014	130	-1489	-976	189	1102	1914	2634	2278	1242
1956 Federal Surplus/Deficit	3212	2889	631	1235	1048	3156	3417	1670	3860	3700	3384	5221	2570	3083	2707
1957 Federal Surplus/Deficit	3101	1584	968	1081	338	547	1368	-681	1519	3326	3333	5667	3149	2352	1832
1958 Federal Surplus/Deficit	1165	406	690	724	461	-333	208	1410	1814	1287	3583	5435	3613	2222	1622
1959 Federal Surplus/Deficit	1164	777	826	688	660	2105	3379	2916	1873	2466	2277	3904	3015	2965	2139
1960 Federal Surplus/Deficit	3053	1417	3245	3326	2070	2730	3292	-632	1386	2954	4048	3006	3388	2611	2513
1961 Federal Surplus/Deficit	2123	232	861	782	364	323	1617	2246	2192	2711	1919	4349	2775	2625	1802
1962 Federal Surplus/Deficit	1714	1107	528	785	570	-255	1246	-458	-555	3333	3875	3782	3410	2985	1421
1963 Federal Surplus/Deficit	2216	1055	670	1243	820	2178	2743	336	-282	523	684	3722	3948	2908	1711
1964 Federal Surplus/Deficit	2867	1197	1047	551	508	-98	862	-408	-807	1483	2092	2849	2887	2601	1151
1965 Federal Surplus/Deficit	3173	2348	1465	1627	496	3120	3478	3621	3324	2401	4113	5185	3739	2657	2894
1966 Federal Surplus/Deficit	3041	1803	1033	1213	460	705	2762	-637	-674	3570	2201	2442	2752	2904	1522
1967 Federal Surplus/Deficit	3105	849	572	690	456	-2.6	3498	3564	762	960	389	3030	2777	3045	1753
1968 Federal Surplus/Deficit	3294	1178	1055	883	302	156	1933	2034	1536	-805	77	2176	3291	3522	1563
1969 Federal Surplus/Deficit	3281	2004	1972	1728	1171	1785	3626	2946	1142	3564	3747	5370	3218	3175	2703
1970 Federal Surplus/Deficit	2204	648	793	842	511	-151	1408	800	352	-72	1015	3666	3689	2469	1356
1971 Federal Surplus/Deficit	1021	238	479	721	851	-254	3045	2934	2675	3282	4156	5423	2882	2953	2172
1972 Federal Surplus/Deficit	3954	3043	1278	1059	509	615	3525	3625	3280	2550	3075	5304	3316	2553	2615
1973 Federal Surplus/Deficit	4170	3281	1737	1102	401	903	2383	-1495	-831	-1027	-1044	497	1189	1449	835
1974 Federal Surplus/Deficit	1188	94	19	592	60	1899	3000	2803	4141	3474	3793	5392	3273	2224	2307
1975 Federal Surplus/Deficit	3694	3118	1170	334	465	-95	2118	893	2451	754	1833	3905	3352	2790	1840
1976 Federal Surplus/Deficit	1558	1154	1136	1694	1447	4244	3413	2896	1957	3835	4020	5581	3559	2794	2834
1977 Federal Surplus/Deficit	3742	3871	3938	943	407	-283	286	-1862	-1508	-1374	-1835	-605	30	649	350
1978 Federal Surplus/Deficit	990	592	326	311	257	-24	1447	774	2102	3059	1814	3324	2973	3542	1522
-Ranked Averages-															
Top Ten Percent	2763	2019	1258	1579	1138	3135	3479	2802	2623	3414	3841	5349	3311	2990	2807
Middle Eighty Percent	2177	1202	992	951	526	548	1598	698	1137	1624	2246	3721	2962	2485	1604
Bottom Ten Percent	2023	573	550	702	562	-380	-1289	-1588	-695	-445	-1136	-819	1292	1330	14

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2630	-173	231	-30	130	-950	-479	-1753	-415	-697	-1159	-246	2988	1347	94
1930 Federal Surplus/Deficit	905	214	144	358	230	-518	-1986	-782	-487	-261	-729	-298	1826	1789	28
1931 Federal Surplus/Deficit	1499	537	1.5	371	205	-1045	-1926	-1761	-679	32	-1337	-332	1766	1517	-126
1932 Federal Surplus/Deficit	1258	608	279	88	76	-897	-1877	-1957	669	2992	3824	5332	4019	2797	1072
1933 Federal Surplus/Deficit	1069	1363	637	342	-233	-101	3014	1287	144	853	1631	3471	3310	2280	1384
1934 Federal Surplus/Deficit	2793	2177	877	1003	1374	4628	2858	2826	2795	3084	3786	5016	1472	1974	2562
1935 Federal Surplus/Deficit	637	71	-35	128	-284	-774	2234	2877	-608	540	1785	2735	3373	2723	1157
1936 Federal Surplus/Deficit	2251	279	241	224	109	-657	-1339	-1619	-498	68	3201	5920	3698	1496	873
1937 Federal Surplus/Deficit	1445	471	150	302	145	-620	-1975	-1551	-675	-413	-916	215	1952	965	-66
1938 Federal Surplus/Deficit	1168	271	156	402	-93	-461	2477	-9.0	1831	2265	3184	5782	4340	2476	1695
1939 Federal Surplus/Deficit	542	313	646	423	95	-630	422	-1574	70	734	1614	3595	1511	1916	673
1940 Federal Surplus/Deficit	1807	546	105	500	52	-419	-72	-745	1948	1182	2903	2973	2070	1363	916
1941 Federal Surplus/Deficit	414	-60	73	412	-43	-338	275	-1627	-723	-236	-1019	1235	1938	1083	153
1942 Federal Surplus/Deficit	445	385	618	236	-233	1086	2584	-93	-1185	73	1100	2841	4460	3469	1232
1943 Federal Surplus/Deficit	2509	1396	208	292	-97	-533	2073	2006	2727	3304	3860	5590	4280	3085	2097
1944 Federal Surplus/Deficit	2646	912	293	245	44	-656	100	-1664	-1142	-937	-1616	-329	884	941	-65
1945 Federal Surplus/Deficit	501	208	206	150	98	-1154	-1836	-1242	-801	-735	-1246	2835	4394	1621	303
1946 Federal Surplus/Deficit	768	459	100	114	52	-498	1212	393	3068	2911	4044	6095	3998	3183	1817
1947 Federal Surplus/Deficit	2547	934	675	79	8.9	2294	3004	2719	3275	1606	2319	5305	4220	3304	2382
1948 Federal Surplus/Deficit	1788	166	503	2408	708	1352	3914	415	1704	1284	3891	6403	5892	3106	2497
1949 Federal Surplus/Deficit	2950	2633	872	489	-27	-425	363	-72	3530	2165	4133	5822	4049	716	1772
1950 Federal Surplus/Deficit	514	-277	-109	262	-97	-809	1007	3224	4159	3485	3668	5077	3138	2694	1854
1951 Federal Surplus/Deficit	2396	1521	702	1158	1122	3002	3507	2977	2858	3572	3935	6021	4064	3167	2858
1952 Federal Surplus/Deficit	2982	1544	629	1850	48	1338	2712	1398	1490	3957	4316	6130	4593	2420	2417
1953 Federal Surplus/Deficit	1780	155	332	256	141	-849	158	1944	32	107	1571	4490	4014	3047	1281
1954 Federal Surplus/Deficit	2507	1160	565	430	66	552	1339	2908	1819	2601	2749	5626	3324	2472	1967
1955 Federal Surplus/Deficit	3919	3508	2804	601	208	638	168	-1403	-962	181	1089	2538	3239	2207	1199
1956 Federal Surplus/Deficit	3015	2712	246	783	639	2787	3467	1764	3887	3701	3386	5859	3176	3009	2669
1957 Federal Surplus/Deficit	2906	1408	583	630	-73	173	1410	-592	1539	3329	3326	6303	3754	2348	1797
1958 Federal Surplus/Deficit	967	225	305	272	50	-711	249	1504	1835	1281	3579	6070	4214	2214	1586
1959 Federal Surplus/Deficit	966	597	442	235	250	1733	3428	3012	1893	2462	2267	4533	3618	2891	2099
1960 Federal Surplus/Deficit	2857	1238	2867	2880	1664	2358	3336	-542	1407	2958	4043	3633	3987	2614	2479
1961 Federal Surplus/Deficit	1929	52	473	330	-46	-54	1658	2341	2214	2706	1911	4978	3378	2622	1766
1962 Federal Surplus/Deficit	1516	926	142	332	159	-634	1287	-370	-540	3334	3873	4409	4006	2988	1384
1963 Federal Surplus/Deficit	2019	876	285	792	411	1806	2786	429	-263	515	672	4353	4548	2911	1675
1964 Federal Surplus/Deficit	2672	1018	665	98	97	-476	903	-319	-792	1480	2082	3477	3492	2530	1108
1965 Federal Surplus/Deficit	2977	2171	1082	1177	85	2753	3530	3723	3349	2398	4112	5819	4341	2663	2863
1966 Federal Surplus/Deficit	2846	1627	647	762	50	331	2806	-549	-658	3569	2190	3070	3346	2909	1486
1967 Federal Surplus/Deficit	2909	669	187	237	45	-380	3542	3661	779	955	376	3656	3382	2972	1711
1968 Federal Surplus/Deficit	3098	1000	671	431	-109	-218	1977	2128	1557	-816	64	2802	3891	3448	1521
1969 Federal Surplus/Deficit	3086	1828	1590	1278	763	1412	3675	3043	1165	3567	3746	6006	3816	3180	2670
1970 Federal Surplus/Deficit	2017	476	416	389	100	-528	1452	895	369	-83	1003	4295	4291	2466	1321
1971 Federal Surplus/Deficit	823	58	94	269	440	-630	3093	3038	2700	3282	4152	6060	3487	2881	2133
1972 Federal Surplus/Deficit	3758	2867	894	607	99	241	3572	3727	3310	2553	3067	5940	3922	2481	2576
1973 Federal Surplus/Deficit	3975	3105	1354	650	-9.8	529	2429	-1409	-815	-1039	-1060	1119	1781	1432	796
1974 Federal Surplus/Deficit	989	-88	-367	139	-351	1528	3054	2905	4169	3477	3794	6028	3879	2156	2269
1975 Federal Surplus/Deficit	3498	2942	784	-120	53	-472	2161	986	2474	749	1824	4536	3955	2721	1799
1976 Federal Surplus/Deficit	1360	975	752	1244	1039	3879	3462	2993	1980	3839	4016	6217	4157	2722	2795
1977 Federal Surplus/Deficit	3550	3698	3559	491	-4.1	-660	326	-1777	-1495	-1386	-1852	15	618	621	308
1978 Federal Surplus/Deficit	790	410	-60	-142	-155	-399	1489	865	2126	3054	1805	3953	3570	3467	1479
-Ranked Averages-															
Top Ten Percent	2567	1841	874	1128	729	2767	3528	2900	2648	3415	3839	5984	3911	2948	2771
Middle Eighty Percent	1981	1024	608	499	115	172	1641	790	1157	1620	2238	4351	3561	2453	1565
Bottom Ten Percent	1825	392	164	249	151	-758	-1253	-1502	-679	-455	-1152	-198	1883	1312	-27

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2629	-198	172	-43	111	-974	-504	-1847	-443	-668	-1111	-680	2491	1523	11
1930 Federal Surplus/Deficit	885	191	84	346	211	-542	-2013	-876	-516	-232	-681	-732	1317	1951	-57
1931 Federal Surplus/Deficit	1484	518	-58	359	186	-1069	-1953	-1855	-707	60	-1288	-766	1233	1611	-219
1932 Federal Surplus/Deficit	1242	590	220	76	56	-921	-1904	-2051	640	3022	3824	4900	3387	2967	976
1933 Federal Surplus/Deficit	1054	1355	578	329	-252	-125	2990	1196	115	882	1680	3040	2679	2274	1276
1934 Federal Surplus/Deficit	2797	2180	818	991	1355	4607	2837	2736	2769	3070	3786	4587	909	2082	2467
1935 Federal Surplus/Deficit	619	50	-94	116	-304	-798	2210	2786	-637	569	1834	2303	2871	2876	1072
1936 Federal Surplus/Deficit	2251	262	182	211	90	-681	-1366	-1713	-527	97	3197	5490	3195	1659	787
1937 Federal Surplus/Deficit	1433	453	90	290	126	-644	-2001	-1645	-703	-385	-868	-218	1442	1128	-152
1938 Federal Surplus/Deficit	1153	251	96	390	-113	-485	2454	-102	1803	2294	3233	5351	3707	2656	1602
1939 Federal Surplus/Deficit	522	293	587	411	75	-654	397	-1668	42	763	1661	3164	996	2075	587
1940 Federal Surplus/Deficit	1798	528	45	488	33	-444	-98	-839	1920	1211	2952	2541	1562	1522	831
1941 Federal Surplus/Deficit	394	-83	14	400	-63	-362	250	-1722	-752	-208	-970	803	1435	1255	69
1942 Federal Surplus/Deficit	425	369	559	223	-253	1063	2560	-187	-1214	101	1147	2408	3829	3638	1137
1943 Federal Surplus/Deficit	2508	1387	148	280	-116	-558	2048	1913	2699	3290	3859	5159	3647	3075	1985
1944 Federal Surplus/Deficit	2649	899	233	233	25	-681	74	-1759	-1171	-909	-1568	-762	377	1115	-148
1945 Federal Surplus/Deficit	480	186	147	138	79	-1178	-1863	-1337	-829	-706	-1198	2402	3762	1801	208
1946 Federal Surplus/Deficit	749	441	40	102	32	-523	1186	300	3040	2940	4093	5614	3366	3348	1718
1947 Federal Surplus/Deficit	2547	921	615	66	-11	2271	2980	2626	3248	1634	2369	4832	3728	3469	2297
1948 Federal Surplus/Deficit	1782	145	443	2397	689	1329	3890	321	1676	1313	3941	5922	5349	3097	2392
1949 Federal Surplus/Deficit	2955	2639	813	477	-47	-449	338	-166	3503	2193	4132	5340	3417	892	1673
1950 Federal Surplus/Deficit	495	-303	-169	249	-117	-834	982	3133	4133	3514	3718	4646	2507	2685	1744
1951 Federal Surplus/Deficit	2398	1516	643	1146	1103	2980	3485	2886	2830	3556	3934	5540	3431	3159	2742
1952 Federal Surplus/Deficit	2987	1538	570	1839	29	1315	2688	1305	1463	3941	4314	5649	3960	2605	2318
1953 Federal Surplus/Deficit	1772	135	273	243	122	-873	132	1852	3.1	136	1619	4059	3384	3039	1172
1954 Federal Surplus/Deficit	2506	1151	506	417	46	529	1315	2816	1792	2631	2797	5195	2694	2465	1860
1955 Federal Surplus/Deficit	3845	3521	2747	589	189	615	143	-1497	-990	210	1137	2105	2610	2201	1089
1956 Federal Surplus/Deficit	3022	2717	186	771	620	2764	3444	1671	3860	3685	3386	5378	2546	3001	2554
1957 Federal Surplus/Deficit	2910	1401	523	617	-93	149	1385	-687	1511	3359	3375	5822	3124	2521	1700
1958 Federal Surplus/Deficit	950	204	245	259	31	-735	224	1411	1807	1309	3627	5588	3583	2386	1487
1959 Federal Surplus/Deficit	949	580	382	223	231	1710	3405	2921	1865	2492	2317	4102	2988	2884	1990
1960 Federal Surplus/Deficit	2861	1228	2810	2870	1645	2336	3313	-636	1379	2945	4042	3203	3354	2771	2382
1961 Federal Surplus/Deficit	1924	30	414	317	-66	-77	1634	2248	2187	2737	1962	4547	2748	2774	1671
1962 Federal Surplus/Deficit	1502	911	83	320	140	-658	1263	-464	-568	3364	3872	3978	3514	3154	1299
1963 Federal Surplus/Deficit	2014	863	225	780	392	1783	2761	335	-291	544	722	3922	3987	3083	1587
1964 Federal Surplus/Deficit	2671	1006	606	85	78	-500	879	-412	-821	1507	2131	3045	2862	2523	1000
1965 Federal Surplus/Deficit	2982	2170	1024	1165	66	2729	3507	3631	3322	2427	4111	5352	3708	2862	2768
1966 Federal Surplus/Deficit	2851	1623	587	750	31	307	2782	-642	-686	3599	2240	2640	2837	3056	1401
1967 Federal Surplus/Deficit	2910	651	127	224	26	-404	3519	3570	751	985	426	3223	2752	2965	1603
1968 Federal Surplus/Deficit	3102	988	611	418	-128	-242	1953	2035	1529	-787	92	2370	3259	3440	1412
1969 Federal Surplus/Deficit	3091	1826	1531	1266	744	1389	3652	2951	1137	3553	3745	5525	3185	3344	2569
1970 Federal Surplus/Deficit	2009	456	357	377	81	-553	1427	802	341	-55	1054	3862	3659	2657	1229
1971 Federal Surplus/Deficit	803	34	34	256	421	-655	3069	2947	2673	3311	4202	5579	2856	2873	2019
1972 Federal Surplus/Deficit	3769	2872	835	594	79	217	3548	3636	3284	2539	3116	5459	3382	2474	2471
1973 Federal Surplus/Deficit	3915	3114	1295	637	-29	506	2405	-1503	-844	-1010	-1011	686	1273	1594	710
1974 Federal Surplus/Deficit	971	-114	-427	127	-371	1505	3032	2815	4142	3462	3793	5546	3308	2149	2157
1975 Federal Surplus/Deficit	3509	2950	725	-132	34	-496	2137	893	2447	778	1873	4104	3323	2713	1692
1976 Federal Surplus/Deficit	1350	963	692	1231	1020	3856	3439	2901	1952	3824	4065	5735	3524	2715	2681
1977 Federal Surplus/Deficit	3477	3630	3502	479	-23	-685	301	-1871	-1524	-1394	-1830	-436	81	714	207
1978 Federal Surplus/Deficit	771	391	-119	-155	-175	-425	1464	771	2099	3083	1855	3522	3081	3458	1381
-Ranked Averages-															
Top Ten Percent	2568	1839	815	1116	711	2744	3505	2808	2620	3409	3848	5506	3279	3016	2663
Middle Eighty Percent	1969	1009	549	487	96	148	1617	697	1129	1642	2275	3907	2974	2547	1466
Bottom Ten Percent	1816	373	104	237	132	-782	-1279	-1597	-708	-427	-1103	-632	1372	1465	-113

Federal Surplus/Deficit by Water Year
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2700	-161	72	-126	11	-1081	-608	-1953	-545	-789	-1233	-311	3024	1443	15
1930 Federal Surplus/Deficit	948	227	-16	263	112	-649	-2121	-981	-617	-353	-803	-363	1850	1872	-53
1931 Federal Surplus/Deficit	1522	553	-158	275	86	-1175	-2061	-1961	-809	-60	-1410	-395	1767	1532	-216
1932 Federal Surplus/Deficit	1202	543	121	-7.2	-44	-1027	-2013	-2157	539	2906	3712	5278	3926	2888	974
1933 Federal Surplus/Deficit	1120	1381	479	246	-353	-229	2890	1097	13	763	1562	3417	3219	2198	1283
1934 Federal Surplus/Deficit	2852	2212	720	910	1258	4507	2739	2639	2672	2957	3673	4966	1442	2005	2475
1935 Federal Surplus/Deficit	599	21	-194	32	-404	-904	2109	2689	-740	450	1718	2679	3408	2798	1072
1936 Federal Surplus/Deficit	2262	268	82	128	-10	-788	-1473	-1818	-628	-24	3079	5870	3732	1579	789
1937 Federal Surplus/Deficit	1477	492	-9.6	206	26	-751	-2109	-1751	-805	-505	-989	151	1975	1048	-148
1938 Federal Surplus/Deficit	1153	232	-3.3	307	-213	-592	2354	-206	1705	2177	3118	5730	4244	2577	1604
1939 Federal Surplus/Deficit	603	364	488	328	-25	-761	293	-1773	-60	643	1542	3542	1530	1996	594
1940 Federal Surplus/Deficit	1786	505	-55	405	-68	-550	-203	-943	1822	1093	2835	2916	2097	1442	831
1941 Federal Surplus/Deficit	402	-92	-86	317	-163	-468	146	-1827	-853	-329	-1091	1175	1970	1174	69
1942 Federal Surplus/Deficit	496	436	460	139	-354	960	2460	-292	-1317	-20	1028	2783	4367	3561	1145
1943 Federal Surplus/Deficit	2572	1433	48	197	-217	-664	1946	1811	2600	3175	3745	5538	4185	2997	1992
1944 Federal Surplus/Deficit	2725	978	134	149	-75	-788	-29	-1864	-1273	-1030	-1690	-393	910	1034	-142
1945 Federal Surplus/Deficit	548	227	47	54	-21	-1285	-1972	-1442	-932	-827	-1320	2775	4300	1721	213
1946 Federal Surplus/Deficit	824	492	-60	18	-68	-631	1082	198	2943	2824	3978	5993	3904	3270	1726
1947 Federal Surplus/Deficit	2612	991	516	-17	-111	2168	2879	2526	3151	1516	2254	5210	4266	3391	2306
1948 Federal Surplus/Deficit	1853	225	344	2317	590	1225	3789	217	1577	1196	3827	6301	5889	3020	2402
1949 Federal Surplus/Deficit	3024	2703	715	394	-147	-555	235	-269	3406	2075	4019	5718	3954	812	1681
1950 Federal Surplus/Deficit	570	-242	-269	166	-218	-941	880	3034	4037	3398	3603	5023	3047	2608	1753
1951 Federal Surplus/Deficit	2473	1586	544	1064	1005	2878	3386	2789	2733	3440	3821	5919	3967	3082	2752
1952 Federal Surplus/Deficit	3051	1610	472	1758	-71	1211	2587	1204	1364	3825	4199	6029	4498	2526	2327
1953 Federal Surplus/Deficit	1847	215	173	160	22	-980	27	1752	-99	15	1501	4437	3923	2961	1180
1954 Federal Surplus/Deficit	2577	1224	407	334	-54	424	1213	2717	1693	2515	2681	5574	3234	2388	1869
1955 Federal Surplus/Deficit	3753	3579	2652	506	90	511	38	-1602	-1093	90	1016	2480	3151	2126	1090
1956 Federal Surplus/Deficit	3085	2758	87	689	521	2662	3345	1570	3763	3570	3273	5757	3086	2924	2562
1957 Federal Surplus/Deficit	2977	1476	424	534	-193	45	1284	-791	1410	3244	3260	6200	3665	2442	1708
1958 Federal Surplus/Deficit	1030	278	145	176	-70	-843	121	1310	1709	1190	3513	5966	4122	2307	1496
1959 Federal Surplus/Deficit	1031	658	283	139	131	1607	3306	2823	1766	2377	2202	4480	3527	2807	2000
1960 Federal Surplus/Deficit	2922	1301	2714	2790	1548	2234	3212	-739	1279	2832	3929	3580	3892	2694	2391
1961 Federal Surplus/Deficit	1990	90	315	234	-166	-183	1533	2148	2089	2622	1847	4926	3289	2696	1680
1962 Federal Surplus/Deficit	1511	914	-17	236	39	-766	1161	-569	-670	3249	3759	4356	4050	3076	1301
1963 Federal Surplus/Deficit	2084	927	126	697	292	1680	2660	232	-391	424	603	4299	4524	3005	1595
1964 Federal Surplus/Deficit	2738	1077	507	1.1	-23	-607	777	-515	-923	1389	2014	3421	3401	2447	1008
1965 Federal Surplus/Deficit	3051	2239	926	1083	-34	2627	3408	3532	3224	2311	3997	5730	4246	2783	2777
1966 Federal Surplus/Deficit	2924	1702	488	667	-70	202	2682	-746	-788	3483	2123	3017	3373	2979	1410
1967 Federal Surplus/Deficit	2909	658	27	141	-75	-510	3419	3473	651	870	309	3598	3292	2889	1606
1968 Federal Surplus/Deficit	3163	1050	513	335	-228	-347	1852	1935	1431	-909	-26	2745	3798	3364	1420
1969 Federal Surplus/Deficit	3152	1900	1434	1184	645	1286	3553	2852	1038	3440	3632	5905	3724	3266	2579
1970 Federal Surplus/Deficit	2082	522	257	293	-19	-659	1325	701	239	-175	937	4239	4197	2577	1236
1971 Federal Surplus/Deficit	887	110	-66	173	321	-763	2968	2850	2574	3194	4088	5958	3396	2796	2029
1972 Federal Surplus/Deficit	3835	2936	736	511	-21	112	3448	3539	3188	2426	3001	5837	3922	2398	2481
1973 Federal Surplus/Deficit	3822	3175	1197	554	-130	401	2304	-1609	-946	-1131	-1132	1058	1808	1515	710
1974 Federal Surplus/Deficit	999	-98	-528	43	-472	1401	2935	2719	4045	3347	3680	5924	3848	2075	2163
1975 Federal Surplus/Deficit	3579	3014	627	-216	-66	-603	2036	791	2350	661	1757	4481	3861	2637	1700
1976 Federal Surplus/Deficit	1440	1051	593	1149	922	3755	3339	2803	1853	3709	3950	6114	4060	2639	2692
1977 Federal Surplus/Deficit	3385	3536	3408	396	-123	-791	198	-1977	-1627	-1515	-1952	-64	613	633	199
1978 Federal Surplus/Deficit	729	357	-219	-239	-275	-532	1361	667	2002	2967	1741	3899	3617	3380	1380
-Ranked Averages-															
Top Ten Percent	2640	1907	717	1034	612	2641	3406	2709	2522	3294	3735	5885	3817	2939	2672
Middle Eighty Percent	2008	1050	450	404	-4.5	43	1515	595	1030	1524	2158	4284	3512	2469	1472
Bottom Ten Percent	1874	418	4.6	153	32	-889	-1386	-1702	-810	-547	-1225	-262	1905	1386	-109

Federal Surplus/Deficit by Water Year
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2724	-354	108	-139	-11	-1106	-633	-1979	-563	-809	-1247	-808	2386	1430	-96
1930 Federal Surplus/Deficit	970	34	21	250	91	-674	-2148	-1006	-635	-372	-818	-860	1215	1860	-165
1931 Federal Surplus/Deficit	1544	361	-121	263	65	-1200	-2089	-1986	-827	-79	-1424	-892	1132	1519	-328
1932 Federal Surplus/Deficit	1225	351	157	-20	-65	-1052	-2040	-2183	521	2889	3703	4787	3292	2877	863
1933 Federal Surplus/Deficit	1145	1190	515	233	-375	-254	2868	1076	-5.3	744	1550	2925	2588	2191	1173
1934 Federal Surplus/Deficit	2876	2022	756	898	1238	4486	2720	2620	2657	2944	3665	4475	806	1994	2367
1935 Federal Surplus/Deficit	621	-172	-157	20	-427	-929	2087	2668	-758	431	1706	2186	2773	2787	962
1936 Federal Surplus/Deficit	2286	76	119	116	-32	-812	-1500	-1844	-646	-43	3065	5380	3097	1567	678
1937 Federal Surplus/Deficit	1501	299	26	194	5.1	-776	-2136	-1776	-822	-524	-1004	-346	1337	1035	-260
1938 Federal Surplus/Deficit	1176	39	33	295	-235	-618	2332	-230	1689	2159	3106	5239	3609	2566	1493
1939 Federal Surplus/Deficit	625	170	524	315	-46	-787	269	-1799	-78	623	1528	3050	895	1983	483
1940 Federal Surplus/Deficit	1809	313	-19	393	-89	-575	-228	-968	1806	1074	2824	2422	1463	1430	720
1941 Federal Surplus/Deficit	424	-285	-50	304	-185	-493	121	-1854	-871	-349	-1105	680	1334	1160	-43
1942 Federal Surplus/Deficit	518	244	496	126	-376	936	2438	-318	-1335	-40	1014	2289	3734	3551	1034
1943 Federal Surplus/Deficit	2596	1241	85	184	-239	-690	1922	1787	2584	3160	3734	5048	3550	2985	1882
1944 Federal Surplus/Deficit	2748	786	170	136	-97	-814	-54	-1890	-1291	-1049	-1704	-890	273	1019	-254
1945 Federal Surplus/Deficit	570	33	83	42	-42	-1310	-1999	-1468	-950	-847	-1335	2280	3665	1709	102
1946 Federal Surplus/Deficit	846	300	-24	5.9	-90	-657	1057	175	2927	2807	3968	5503	3271	3259	1616
1947 Federal Surplus/Deficit	2637	800	553	-31	-133	2144	2857	2503	3136	1498	2243	4719	3632	3381	2196
1948 Federal Surplus/Deficit	1877	32	380	2307	569	1202	3766	192	1560	1178	3817	5811	5258	3010	2292
1949 Federal Surplus/Deficit	3048	2513	752	381	-169	-580	211	-294	3390	2056	4010	5226	3320	799	1571
1950 Federal Surplus/Deficit	592	-436	-233	153	-240	-967	856	3012	4022	3381	3593	4532	2415	2598	1643
1951 Federal Surplus/Deficit	2496	1396	580	1052	984	2855	3365	2769	2717	3423	3811	5429	3332	3073	2643
1952 Federal Surplus/Deficit	3075	1420	509	1747	-93	1187	2565	1180	1348	3807	4188	5539	3863	2514	2217
1953 Federal Surplus/Deficit	1870	22	209	147	0.5	-1005	0.5	1729	-117	-4.3	1488	3945	3291	2952	1070
1954 Federal Surplus/Deficit	2601	1033	443	322	-76	400	1189	2695	1677	2498	2668	5083	2602	2380	1759
1955 Federal Surplus/Deficit	3779	3389	2692	495	69	488	12	-1627	-1110	70	1001	1985	2520	2119	980
1956 Federal Surplus/Deficit	3108	2568	123	677	500	2639	3324	1546	3747	3554	3265	5267	2455	2915	2453
1957 Federal Surplus/Deficit	3001	1285	460	522	-215	20	1261	-817	1392	3228	3248	5709	3034	2430	1598
1958 Federal Surplus/Deficit	1053	85	182	163	-91	-868	97	1286	1692	1171	3501	5475	3490	2294	1385
1959 Federal Surplus/Deficit	1053	466	319	126	110	1583	3285	2801	1749	2360	2190	3988	2895	2799	1891
1960 Federal Surplus/Deficit	2946	1109	2754	2780	1528	2212	3190	-763	1263	2819	3919	3088	3258	2683	2282
1961 Federal Surplus/Deficit	2015	-102	351	222	-187	-207	1510	2125	2073	2607	1837	4434	2658	2684	1570
1962 Federal Surplus/Deficit	1534	722	19	224	18	-791	1138	-594	-688	3234	3749	3864	3415	3066	1191
1963 Federal Surplus/Deficit	2107	736	162	685	271	1656	2637	207	-407	406	591	3807	3889	2994	1485
1964 Federal Surplus/Deficit	2763	885	544	-12	-44	-632	754	-540	-941	1369	2002	2927	2770	2439	898
1965 Federal Surplus/Deficit	3075	2048	963	1071	-55	2604	3388	3510	3209	2293	3986	5239	3611	2771	2668
1966 Federal Surplus/Deficit	2948	1511	524	654	-91	178	2659	-771	-806	3467	2111	2525	2738	2970	1300
1967 Federal Surplus/Deficit	2934	467	64	128	-96	-534	3397	3452	634	853	298	3104	2660	2881	1497
1968 Federal Surplus/Deficit	3187	859	550	323	-250	-371	1829	1911	1415	-928	-38	2251	3164	3355	1310
1969 Federal Surplus/Deficit	3177	1710	1472	1172	624	1262	3531	2830	1022	3426	3622	5415	3090	3256	2470
1970 Federal Surplus/Deficit	2106	329	294	281	-40	-684	1301	677	222	-194	926	3745	3563	2564	1126
1971 Federal Surplus/Deficit	910	-84	-30	160	299	-789	2945	2829	2558	3177	4077	5467	2763	2787	1919
1972 Federal Surplus/Deficit	3859	2747	772	498	-43	88	3425	3518	3174	2413	2989	5347	3290	2390	2372
1973 Federal Surplus/Deficit	3847	2985	1234	541	-152	376	2281	-1635	-964	-1151	-1147	562	1172	1502	599
1974 Federal Surplus/Deficit	1022	-292	-492	30	-495	1378	2915	2699	4030	3332	3671	5433	3216	2067	2054
1975 Federal Surplus/Deficit	3603	2824	665	-229	-88	-628	2013	768	2334	643	1745	3989	3227	2629	1591
1976 Federal Surplus/Deficit	1462	859	630	1137	901	3733	3318	2782	1836	3693	3940	5623	3425	2631	2583
1977 Federal Surplus/Deficit	3411	3348	3449	384	-145	-817	173	-2003	-1645	-1534	-1967	-559	-23	619	89
1978 Federal Surplus/Deficit	752	164	-183	-252	-297	-559	1337	641	1986	2949	1730	3407	2981	3370	1269
-Ranked Averages-															
Top Ten Percent	2664	1716	754	1022	591	2619	3385	2687	2506	3278	3725	5395	3183	2929	2563
Middle Eighty Percent	2031	858	486	391	-26	18	1491	571	1013	1506	2147	3792	2878	2458	1362
Bottom Ten Percent	1898	225	41	141	11	-914	-1412	-1728	-828	-567	-1239	-759	1268	1373	-221

Federal Surplus/Deficit by Water Year
PNW Loads and Resource Study
2011 - 2012 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2692	-175	81	76	228	-844	-387	-1663	-307	-604	-1044	-242	2839	1499	143
1930 Federal Surplus/Deficit	936	213	-6.7	467	330	-412	-1903	-691	-379	-167	-614	-294	1669	1928	74
1931 Federal Surplus/Deficit	1511	540	-148	479	304	-937	-1844	-1671	-571	126	-1221	-325	1587	1587	-88
1932 Federal Surplus/Deficit	1192	531	130	197	174	-790	-1795	-1868	776	3096	3911	5358	3749	2947	1103
1933 Federal Surplus/Deficit	1113	1371	488	449	-137	9.1	3117	1394	250	950	1755	3495	3045	2263	1414
1934 Federal Surplus/Deficit	2844	2204	730	1115	1478	4752	2970	2940	2915	3153	3873	5047	1261	2064	2609
1935 Federal Surplus/Deficit	587	6.8	-184	236	-188	-666	2335	2987	-503	637	1912	2755	3229	2857	1202
1936 Federal Surplus/Deficit	2254	255	92	332	207	-550	-1255	-1528	-390	162	3269	5951	3553	1636	918
1937 Federal Surplus/Deficit	1468	478	-0.9	410	244	-513	-1890	-1460	-566	-319	-800	221	1791	1104	-21
1938 Federal Surplus/Deficit	1143	218	5.5	511	3.8	-357	2581	86	1946	2365	3312	5810	4064	2635	1734
1939 Federal Surplus/Deficit	591	349	497	531	192	-525	516	-1483	178	828	1732	3620	1350	2052	723
1940 Federal Surplus/Deficit	1777	492	-46	609	150	-313	18	-652	2063	1280	3029	2991	1918	1498	960
1941 Federal Surplus/Deficit	391	-105	-77	520	53	-230	368	-1538	-615	-145	-902	1247	1789	1228	197
1942 Federal Surplus/Deficit	484	423	469	342	-138	1199	2687	-2	-1080	164	1218	2857	4191	3622	1274
1943 Federal Surplus/Deficit	2564	1422	57	400	-0.9	-428	2170	2103	2840	3368	3940	5619	4006	3055	2122
1944 Federal Surplus/Deficit	2716	966	142	352	142	-553	193	-1575	-1035	-844	-1501	-324	726	1087	-15
1945 Federal Surplus/Deficit	537	212	56	257	196	-1048	-1755	-1153	-694	-642	-1132	2848	4120	1777	341
1946 Federal Surplus/Deficit	813	479	-52	222	149	-396	1303	491	3184	3013	4174	6074	3727	3329	1856
1947 Federal Surplus/Deficit	2605	980	525	185	105	2407	3105	2820	3394	1703	2449	5289	4087	3451	2436
1948 Federal Surplus/Deficit	1845	212	353	2524	809	1465	4014	508	1817	1385	4023	6382	5715	3081	2533
1949 Federal Surplus/Deficit	3015	2694	726	597	69	-318	458	22	3648	2260	4217	5797	3775	867	1811
1950 Federal Surplus/Deficit	558	-257	-261	369	-1.2	-706	1104	3330	4281	3588	3799	5102	2873	2668	1883
1951 Federal Surplus/Deficit	2463	1576	553	1268	1223	3119	3614	3088	2974	3630	4019	6000	3786	3143	2884
1952 Federal Surplus/Deficit	3043	1600	482	1964	146	1450	2813	1497	1606	4014	4394	6111	4319	2583	2458
1953 Federal Surplus/Deficit	1838	202	182	363	239	-743	246	2047	139	200	1692	4516	3748	3022	1310
1954 Federal Surplus/Deficit	2569	1212	416	538	163	663	1437	3013	1934	2704	2872	5654	3059	2451	2001
1955 Federal Surplus/Deficit	3748	3570	2667	711	308	751	259	-1312	-854	275	1204	2553	2978	2191	1221
1956 Federal Surplus/Deficit	3076	2749	96	893	739	2902	3574	1863	4005	3762	3473	5839	2913	2986	2695
1957 Federal Surplus/Deficit	2969	1465	433	738	23	283	1509	-502	1648	3436	3454	6280	3491	2500	1839
1958 Federal Surplus/Deficit	1020	264	154	379	148	-607	344	1603	1950	1376	3707	6045	3947	2363	1626
1959 Federal Surplus/Deficit	1020	645	292	342	348	1846	3534	3119	2006	2567	2396	4559	3352	2870	2132
1960 Federal Surplus/Deficit	2914	1290	2729	2997	1768	2476	3439	-447	1519	3029	4126	3658	3714	2753	2524
1961 Federal Surplus/Deficit	1983	77	324	438	52	55	1758	2443	2330	2814	2044	5005	3116	2754	1811
1962 Federal Surplus/Deficit	1501	903	-8.4	440	256	-530	1386	-279	-432	3442	3956	4434	3870	3136	1431
1963 Federal Surplus/Deficit	2075	916	135	901	510	1920	2885	522	-150	611	796	4377	4344	3064	1725
1964 Federal Surplus/Deficit	2731	1065	517	204	194	-370	1001	-223	-685	1574	2207	3496	3227	2511	1139
1965 Federal Surplus/Deficit	3043	2229	936	1288	183	2867	3637	3828	3466	2500	4193	5810	4067	2840	2909
1966 Federal Surplus/Deficit	2916	1692	497	870	148	441	2907	-455	-550	3674	2316	3094	3193	3040	1540
1967 Federal Surplus/Deficit	2902	647	36	344	142	-272	3646	3771	891	1060	503	3672	3117	2952	1738
1968 Federal Surplus/Deficit	3156	1040	523	539	-11	-109	2077	2228	1672	-724	168	2820	3620	3427	1550
1969 Federal Surplus/Deficit	3145	1891	1446	1389	863	1525	3780	3148	1279	3635	3830	5987	3547	3326	2712
1970 Federal Surplus/Deficit	2074	509	267	497	199	-422	1548	994	478	11	1132	4314	4019	2632	1366
1971 Federal Surplus/Deficit	876	95	-58	376	538	-528	3193	3149	2815	3383	4284	6038	3220	2858	2160
1972 Federal Surplus/Deficit	3827	2928	745	714	195	350	3673	3837	3433	2622	3195	5918	3748	2462	2613
1973 Federal Surplus/Deficit	3816	3167	1207	757	87	639	2529	-1319	-708	-946	-943	1129	1627	1571	839
1974 Federal Surplus/Deficit	989	-113	-519	246	-257	1640	3165	3019	4288	3540	3879	6004	3674	2139	2296
1975 Federal Surplus/Deficit	3571	3006	638	-13	151	-366	2261	1084	2592	848	1950	4559	3683	2700	1831
1976 Federal Surplus/Deficit	1429	1038	603	1353	1141	3997	3567	3100	2092	3901	4146	6194	3879	2703	2824
1977 Federal Surplus/Deficit	3381	3531	3424	600	94	-555	420	-1688	-1389	-1330	-1763	9.3	431	687	329
1978 Federal Surplus/Deficit	720	343	-210	-36	-59	-298	1584	957	2244	3155	1936	3977	3435	3440	1509
-Ranked Averages-															
Top Ten Percent	2631	1897	727	1238	830	2882	3634	3006	2763	3485	3932	5966	3638	3000	2805
Middle Eighty Percent	1999	1038	460	608	213	280	1739	888	1270	1713	2352	4362	3335	2528	1603
Bottom Ten Percent	1865	405	13	357	249	-652	-1166	-1412	-572	-362	-1036	-193	1722	1441	19

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2848	-20	277	72	221	-850	-420	-1814	-332	-633	-1074	-753	2191	1477	52
1930 Federal Surplus/Deficit	1092	367	188	463	323	-418	-1941	-839	-403	-196	-645	-805	1021	1907	-16
1931 Federal Surplus/Deficit	1667	695	47	475	297	-943	-1882	-1822	-596	99	-1251	-835	938	1565	-179
1932 Federal Surplus/Deficit	1348	685	326	193	167	-796	-1833	-2019	754	3074	3891	4858	3107	2926	1015
1933 Federal Surplus/Deficit	1269	1527	684	445	-145	4.8	3089	1252	226	924	1729	2994	2404	2243	1327
1934 Federal Surplus/Deficit	3000	2361	927	1114	1474	4752	2942	2800	2897	3132	3853	4547	612	2043	2524
1935 Federal Surplus/Deficit	743	160	11	232	-196	-672	2307	2847	-529	610	1887	2252	2586	2837	1115
1936 Federal Surplus/Deficit	2410	410	288	328	200	-556	-1292	-1679	-414	134	3244	5452	2909	1615	829
1937 Federal Surplus/Deficit	1624	633	195	406	237	-520	-1928	-1610	-591	-348	-831	-290	1142	1082	-111
1938 Federal Surplus/Deficit	1299	371	201	507	-3.7	-363	2553	-61	1926	2343	3290	5311	3423	2614	1647
1939 Federal Surplus/Deficit	746	503	694	527	185	-532	483	-1634	155	801	1704	3119	702	2031	634
1940 Federal Surplus/Deficit	1933	647	150	605	143	-319	-15	-801	2043	1255	3005	2487	1273	1476	872
1941 Federal Surplus/Deficit	547	48	118	516	46	-236	336	-1689	-640	-174	-932	739	1143	1205	107
1942 Federal Surplus/Deficit	639	577	665	338	-145	1197	2659	-151	-1105	136	1191	2353	3550	3601	1186
1943 Federal Surplus/Deficit	2721	1577	253	396	-8.6	-434	2141	1960	2822	3347	3920	5119	3364	3034	2036
1944 Federal Surplus/Deficit	2872	1122	338	348	135	-559	161	-1726	-1061	-874	-1532	-834	77	1064	-105
1945 Federal Surplus/Deficit	692	365	252	253	189	-1054	-1793	-1303	-719	-671	-1162	2343	3479	1756	251
1946 Federal Surplus/Deficit	968	634	143	218	142	-403	1271	347	3166	2991	4154	5575	3086	3309	1769
1947 Federal Surplus/Deficit	2761	1135	722	181	97	2406	3077	2678	3377	1679	2428	4789	3446	3430	2350
1948 Federal Surplus/Deficit	2002	367	549	2524	804	1462	3986	361	1796	1361	4003	5883	5074	3061	2447
1949 Federal Surplus/Deficit	3172	2851	924	594	62	-324	426	-125	3630	2237	4197	5297	3134	845	1724
1950 Federal Surplus/Deficit	714	-105	-66	365	-8.7	-713	1073	3190	4263	3566	3779	4602	2232	2648	1797
1951 Federal Surplus/Deficit	2619	1733	750	1266	1219	3119	3587	2948	2956	3608	3999	5500	3144	3123	2799
1952 Federal Surplus/Deficit	3199	1757	679	1963	139	1448	2785	1353	1586	3992	4373	5611	3677	2562	2372
1953 Federal Surplus/Deficit	1994	357	378	359	233	-750	213	1905	115	172	1666	4016	3108	3002	1223
1954 Federal Surplus/Deficit	2725	1368	612	534	156	659	1407	2872	1914	2683	2851	5154	2419	2432	1914
1955 Federal Surplus/Deficit	3905	3727	2868	709	303	747	225	-1462	-880	247	1174	2049	2337	2172	1133
1956 Federal Surplus/Deficit	3232	2906	292	890	734	2902	3546	1720	3987	3740	3453	5339	2272	2966	2610
1957 Federal Surplus/Deficit	3125	1621	630	734	16	279	1479	-650	1626	3415	3433	5780	2851	2478	1752
1958 Federal Surplus/Deficit	1175	418	350	375	140	-614	312	1459	1930	1351	3686	5545	3306	2342	1538
1959 Federal Surplus/Deficit	1176	800	488	338	342	1844	3506	2979	1986	2546	2374	4059	2712	2850	2046
1960 Federal Surplus/Deficit	3071	1445	2929	2997	1766	2475	3410	-594	1498	3008	4106	3157	3073	2733	2438
1961 Federal Surplus/Deficit	2139	231	520	434	44	50	1729	2300	2311	2793	2023	4505	2475	2733	1725
1962 Federal Surplus/Deficit	1657	1058	187	436	249	-537	1356	-428	-457	3421	3935	3933	3227	3115	1343
1963 Federal Surplus/Deficit	2231	1071	331	898	504	1918	2855	376	-172	584	768	3876	3702	3043	1638
1964 Federal Surplus/Deficit	2888	1221	714	200	187	-376	971	-370	-710	1550	2183	2996	2586	2492	1051
1965 Federal Surplus/Deficit	3200	2385	1134	1287	176	2866	3610	3688	3448	2478	4172	5311	3425	2819	2823
1966 Federal Surplus/Deficit	3073	1848	694	867	141	437	2879	-603	-575	3652	2290	2593	2549	3020	1453
1967 Federal Surplus/Deficit	3059	802	232	340	135	-278	3618	3631	869	1039	479	3171	2476	2933	1651
1968 Federal Surplus/Deficit	3312	1196	720	535	-18	-113	2049	2085	1652	-753	141	2316	2979	3407	1463
1969 Federal Surplus/Deficit	3302	2047	1646	1387	858	1523	3752	3008	1259	3614	3810	5487	2906	3306	2626
1970 Federal Surplus/Deficit	2231	664	462	493	192	-428	1519	850	454	-18	1107	3813	3378	2611	1278
1971 Federal Surplus/Deficit	1032	250	137	372	530	-535	3165	3009	2796	3361	4264	5539	2580	2837	2074
1972 Federal Surplus/Deficit	3984	3085	942	710	187	346	3645	3697	3416	2602	3174	5418	3107	2442	2528
1973 Federal Surplus/Deficit	3973	3323	1405	754	79	635	2501	-1469	-733	-977	-973	620	980	1549	750
1974 Federal Surplus/Deficit	1145	40	-325	241	-266	1639	3137	2880	4270	3519	3859	5505	3033	2120	2210
1975 Federal Surplus/Deficit	3728	3162	836	-18	144	-372	2232	940	2574	825	1926	4058	3041	2681	1745
1976 Federal Surplus/Deficit	1584	1193	799	1350	1136	3997	3539	2960	2073	3880	4125	5694	3237	2683	2738
1977 Federal Surplus/Deficit	3538	3688	3625	597	87	-562	388	-1839	-1415	-1360	-1794	-500	-219	663	239
1978 Federal Surplus/Deficit	875	496	-15	-41	-67	-305	1553	809	2227	3133	1915	3477	2793	3419	1422
-Ranked Averages-															
Top Ten Percent	2787	2053	924	1236	825	2881	3607	2865	2745	3464	3912	5466	2997	2979	2719
Middle Eighty Percent	2155	1194	656	604	206	276	1709	743	1248	1688	2328	3860	2692	2508	1515
Bottom Ten Percent	2021	559	209	353	243	-658	-1202	-1562	-596	-390	-1067	-703	1074	1419	-72

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2828	-41	252	24	163	-913	-482	-1873	-386	-686	-1129	-318	2805	1466	102
1930 Federal Surplus/Deficit	1071	345	164	415	266	-482	-2008	-896	-458	-249	-699	-370	1636	1897	33
1931 Federal Surplus/Deficit	1646	674	23	428	239	-1006	-1949	-1881	-652	48	-1306	-400	1551	1554	-130
1932 Federal Surplus/Deficit	1328	664	302	145	109	-859	-1900	-2078	702	3028	3848	5304	3729	2916	1067
1933 Federal Surplus/Deficit	1249	1507	661	398	-203	-56	3032	1202	171	875	1679	3440	3026	2235	1380
1934 Federal Surplus/Deficit	2980	2342	905	1068	1420	4696	2886	2753	2849	3088	3810	4993	1226	2033	2578
1935 Federal Surplus/Deficit	722	138	-13	184	-255	-734	2250	2798	-585	558	1839	2695	3205	2827	1167
1936 Federal Surplus/Deficit	2390	390	264	280	143	-619	-1357	-1738	-469	82	3195	5898	3528	1604	880
1937 Federal Surplus/Deficit	1604	612	170	359	180	-582	-1994	-1669	-645	-401	-885	146	1755	1071	-62
1938 Federal Surplus/Deficit	1278	350	177	460	-62	-426	2496	-116	1877	2296	3244	5757	4043	2604	1699
1939 Federal Surplus/Deficit	725	481	671	480	127	-595	422	-1692	101	750	1652	3565	1316	2020	685
1940 Federal Surplus/Deficit	1913	626	126	558	85	-382	-78	-858	1993	1206	2956	2930	1890	1465	923
1941 Federal Surplus/Deficit	526	27	94	469	-12	-297	275	-1748	-694	-228	-986	1178	1760	1194	157
1942 Federal Surplus/Deficit	618	556	642	291	-204	1138	2602	-208	-1161	85	1140	2795	4171	3592	1238
1943 Federal Surplus/Deficit	2701	1558	230	348	-67	-496	2083	1908	2773	3303	3875	5566	3985	3023	2089
1944 Federal Surplus/Deficit	2851	1102	314	301	77	-622	100	-1785	-1116	-927	-1587	-399	690	1051	-56
1945 Federal Surplus/Deficit	671	342	227	205	132	-1116	-1860	-1361	-774	-724	-1217	2784	4099	1745	301
1946 Federal Surplus/Deficit	947	614	118	171	84	-467	1210	293	3117	2945	4110	6021	3707	3299	1822
1947 Federal Surplus/Deficit	2741	1115	699	133	39	2349	3020	2627	3329	1631	2382	5235	4067	3420	2404
1948 Federal Surplus/Deficit	1982	347	525	2479	748	1403	3929	305	1745	1314	3958	6329	5694	3051	2501
1949 Federal Surplus/Deficit	3151	2832	903	547	3.4	-386	366	-179	3582	2189	4153	5742	3754	834	1777
1950 Federal Surplus/Deficit	692	-127	-91	317	-67	-777	1013	3141	4216	3520	3734	5048	2854	2638	1850
1951 Federal Surplus/Deficit	2598	1713	727	1220	1164	3062	3530	2900	2908	3562	3955	5946	3765	3114	2854
1952 Federal Surplus/Deficit	3179	1737	657	1918	81	1389	2728	1300	1537	3946	4328	6057	4298	2552	2426
1953 Federal Surplus/Deficit	1974	336	353	311	175	-813	151	1855	61	120	1616	4461	3730	2992	1275
1954 Federal Surplus/Deficit	2705	1348	589	487	98	599	1349	2822	1864	2637	2805	5601	3040	2423	1968
1955 Federal Surplus/Deficit	3886	3708	2848	663	247	687	162	-1520	-935	196	1120	2490	2959	2163	1185
1956 Federal Surplus/Deficit	3212	2887	269	844	678	2845	3490	1668	3939	3695	3410	5785	2894	2956	2664
1957 Federal Surplus/Deficit	3105	1601	606	688	-42	219	1420	-707	1574	3369	3387	6226	3472	2468	1805
1958 Federal Surplus/Deficit	1154	396	326	328	82	-677	252	1407	1880	1302	3641	5991	3927	2331	1591
1959 Federal Surplus/Deficit	1155	780	464	291	285	1786	3450	2930	1936	2500	2327	4505	3333	2841	2100
1960 Federal Surplus/Deficit	3050	1426	2910	2953	1712	2418	3354	-649	1447	2964	4061	3603	3694	2723	2493
1961 Federal Surplus/Deficit	2119	210	497	387	-13	-12	1671	2249	2262	2747	1978	4951	3097	2723	1778
1962 Federal Surplus/Deficit	1636	1038	162	388	191	-601	1297	-485	-511	3376	3891	4379	3846	3105	1395
1963 Federal Surplus/Deficit	2210	1052	307	851	448	1860	2797	322	-224	533	715	4321	4322	3033	1691
1964 Federal Surplus/Deficit	2868	1201	691	152	128	-438	912	-426	-764	1502	2135	3441	3208	2483	1103
1965 Federal Surplus/Deficit	3179	2365	1113	1241	119	2809	3553	3639	3400	2432	4128	5757	4046	2809	2878
1966 Federal Surplus/Deficit	3053	1828	670	821	83	377	2822	-659	-629	3606	2239	3038	3166	3011	1505
1967 Federal Surplus/Deficit	3039	782	208	292	77	-340	3561	3583	817	993	430	3616	3098	2924	1705
1968 Federal Surplus/Deficit	3292	1176	697	488	-76	-173	1992	2033	1602	-806	89	2758	3600	3398	1516
1969 Federal Surplus/Deficit	3282	2027	1625	1342	802	1464	3696	2959	1210	3570	3766	5933	3527	3296	2681
1970 Federal Surplus/Deficit	2211	643	438	445	135	-490	1460	798	400	-70	1058	4257	3998	2600	1330
1971 Federal Surplus/Deficit	1011	228	113	324	472	-598	3108	2961	2748	3315	4220	5985	3201	2828	2127
1972 Federal Surplus/Deficit	3964	3066	919	662	129	285	3588	3649	3369	2557	3129	5865	3728	2433	2582
1973 Federal Surplus/Deficit	3953	3304	1383	707	21	575	2444	-1528	-788	-1031	-1028	1058	1596	1539	800
1974 Federal Surplus/Deficit	1124	18	-350	193	-325	1581	3081	2832	4222	3474	3815	5951	3654	2111	2264
1975 Federal Surplus/Deficit	3707	3143	814	-66	86	-435	2174	887	2525	777	1879	4504	3662	2672	1798
1976 Federal Surplus/Deficit	1563	1173	776	1304	1081	3940	3482	2911	2023	3835	4081	6141	3857	2674	2793
1977 Federal Surplus/Deficit	3519	3670	3606	550	29	-624	327	-1898	-1472	-1414	-1849	-62	393	650	288
1978 Federal Surplus/Deficit	855	473	-40	-89	-125	-367	1494	754	2179	3087	1870	3923	3413	3409	1474
-Ranked Averages-															
Top Ten Percent	2767	2033	902	1190	769	2824	3550	2815	2696	3419	3868	5913	3618	2970	2774
Middle Eighty Percent	2135	1173	633	557	148	215	1650	689	1197	1640	2281	4305	3312	2498	1568
Bottom Ten Percent	2000	538	185	305	185	-721	-1266	-1621	-651	-443	-1121	-268	1688	1408	-23

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2782	-86	180	-47	87	-979	-545	-1944	-441	-741	-1184	-849	2130	1420	-50
1930 Federal Surplus/Deficit	1024	300	92	344	189	-548	-2075	-965	-513	-302	-754	-901	960	1850	-119
1931 Federal Surplus/Deficit	1600	629	-49	357	163	-1072	-2016	-1953	-707	-3.5	-1361	-931	875	1507	-283
1932 Federal Surplus/Deficit	1281	618	231	74	33	-925	-1967	-2150	649	2980	3801	4780	3059	2869	916
1933 Federal Surplus/Deficit	1202	1463	590	327	-280	-121	2972	1137	115	825	1628	2917	2356	2188	1230
1934 Federal Surplus/Deficit	2934	2298	835	1000	1347	4635	2826	2689	2799	3040	3763	4470	550	1987	2430
1935 Federal Surplus/Deficit	675	92	-84	113	-331	-799	2190	2735	-641	506	1789	2170	2534	2780	1016
1936 Federal Surplus/Deficit	2343	346	193	209	66	-685	-1424	-1809	-523	29	3146	5375	2856	1558	729
1937 Federal Surplus/Deficit	1557	567	99	288	104	-648	-2061	-1740	-700	-454	-940	-385	1080	1025	-215
1938 Federal Surplus/Deficit	1231	304	105	390	-139	-492	2436	-184	1826	2248	3196	5234	3373	2557	1550
1939 Federal Surplus/Deficit	679	437	600	410	51	-661	359	-1763	46	698	1599	3041	641	1974	534
1940 Federal Surplus/Deficit	1866	582	54	488	8.8	-448	-142	-928	1943	1156	2906	2404	1216	1419	772
1941 Federal Surplus/Deficit	479	-18	22	398	-89	-362	211	-1819	-749	-282	-1041	648	1086	1147	5.3
1942 Federal Surplus/Deficit	572	511	571	221	-280	1075	2542	-277	-1217	32	1088	2269	3501	3545	1088
1943 Federal Surplus/Deficit	2654	1514	159	278	-144	-561	2023	1843	2723	3255	3829	5043	3315	2977	1940
1944 Federal Surplus/Deficit	2805	1058	243	230	0.3	-688	36	-1856	-1172	-981	-1641	-931	14	1004	-208
1945 Federal Surplus/Deficit	624	296	156	134	55	-1182	-1927	-1432	-830	-777	-1272	2258	3429	1699	150
1946 Federal Surplus/Deficit	900	570	47	100	7.2	-533	1148	227	3068	2897	4063	5498	3037	3252	1672
1947 Federal Surplus/Deficit	2694	1071	629	62	-38	2288	2960	2563	3279	1582	2334	4711	3397	3373	2255
1948 Federal Surplus/Deficit	1935	303	454	2411	674	1340	3869	237	1693	1265	3912	5806	5023	3004	2352
1949 Federal Surplus/Deficit	3105	2788	833	477	-73	-451	303	-247	3532	2141	4106	5219	3084	787	1628
1950 Federal Surplus/Deficit	646	-173	-163	247	-144	-843	952	3077	4166	3472	3687	4525	2184	2591	1701
1951 Federal Surplus/Deficit	2552	1669	657	1151	1091	3001	3470	2837	2858	3514	3908	5423	3095	3067	2706
1952 Federal Surplus/Deficit	3132	1693	587	1849	5.0	1327	2668	1235	1486	3898	4281	5534	3628	2505	2277
1953 Federal Surplus/Deficit	1927	292	282	240	99	-879	87	1791	6.2	68	1565	3938	3060	2945	1125
1954 Federal Surplus/Deficit	2658	1304	518	417	22	535	1288	2758	1812	2589	2758	5078	2370	2376	1819
1955 Federal Surplus/Deficit	3839	3664	2780	593	172	624	97	-1591	-991	143	1065	1965	2289	2116	1034
1956 Federal Surplus/Deficit	3165	2843	198	775	603	2784	3430	1603	3890	3647	3363	5261	2224	2910	2516
1957 Federal Surplus/Deficit	3058	1557	536	618	-119	156	1359	-777	1522	3321	3341	5702	2802	2421	1655
1958 Federal Surplus/Deficit	1108	351	254	257	6.0	-743	190	1341	1829	1252	3594	5468	3257	2284	1441
1959 Federal Surplus/Deficit	1108	736	392	220	210	1724	3390	2867	1884	2452	2279	3982	2664	2794	1951
1960 Federal Surplus/Deficit	3004	1382	2841	2884	1640	2357	3294	-718	1395	2916	4015	3079	3024	2676	2344
1961 Federal Surplus/Deficit	2073	166	425	316	-90	-77	1609	2185	2212	2700	1930	4428	2427	2676	1629
1962 Federal Surplus/Deficit	1590	994	90	317	114	-668	1236	-555	-566	3328	3844	3856	3176	3058	1245
1963 Federal Surplus/Deficit	2164	1008	235	781	372	1798	2736	255	-277	480	662	3798	3652	2987	1541
1964 Federal Surplus/Deficit	2821	1157	620	81	52	-504	850	-495	-819	1454	2086	2917	2538	2436	953
1965 Federal Surplus/Deficit	3133	2321	1043	1172	43	2748	3493	3575	3350	2384	4081	5234	3376	2762	2730
1966 Federal Surplus/Deficit	3006	1784	600	751	7.3	314	2762	-729	-684	3558	2188	2514	2493	2964	1355
1967 Federal Surplus/Deficit	2992	739	136	221	0.7	-405	3501	3520	763	945	379	3092	2428	2877	1555
1968 Federal Surplus/Deficit	3245	1132	626	418	-152	-237	1932	1968	1551	-861	37	2232	2930	3351	1366
1969 Federal Surplus/Deficit	3235	1983	1557	1274	727	1402	3636	2896	1159	3522	3719	5410	2857	3249	2533
1970 Federal Surplus/Deficit	2164	598	367	374	58	-555	1400	733	346	-123	1007	3734	3328	2553	1180
1971 Federal Surplus/Deficit	964	183	41	253	396	-664	3047	2897	2698	3267	4173	5461	2532	2781	1978
1972 Federal Surplus/Deficit	3917	3022	848	591	52	221	3528	3586	3319	2510	3082	5341	3058	2387	2433
1973 Federal Surplus/Deficit	3906	3260	1313	636	-55	512	2384	-1599	-843	-1086	-1082	528	921	1492	649
1974 Federal Surplus/Deficit	1077	-28	-422	122	-403	1519	3021	2769	4172	3426	3769	5428	2984	2064	2115
1975 Federal Surplus/Deficit	3661	3099	744	-137	9.1	-500	2114	820	2475	729	1830	3981	2992	2625	1649
1976 Federal Surplus/Deficit	1517	1129	706	1234	1007	3879	3422	2848	1972	3787	4034	5618	3187	2628	2644
1977 Federal Surplus/Deficit	3472	3626	3538	480	-47	-690	264	-1969	-1528	-1469	-1904	-593	-284	602	136
1978 Federal Surplus/Deficit	808	427	-112	-161	-202	-433	1432	686	2129	3039	1823	3400	2744	3363	1324
-Ranked Averages-															
Top Ten Percent	2720	1989	832	1121	694	2763	3490	2752	2646	3371	3821	5389	2948	2923	2626
Middle Eighty Percent	2088	1129	562	487	72	150	1588	622	1144	1590	2231	3781	2641	2451	1418
Bottom Ten Percent	1953	494	113	234	109	-787	-1332	-1692	-707	-496	-1176	-799	1012	1361	-175

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2736	-134	127	-105	20	-1053	-616	-1886	-506	-799	-1244	-393	2729	1369	-2.8
1930 Federal Surplus/Deficit	979	251	38	287	123	-622	-2150	-906	-578	-360	-814	-446	1559	1799	-72
1931 Federal Surplus/Deficit	1554	581	-102	300	97	-1145	-2091	-1895	-773	-60	-1421	-475	1473	1456	-236
1932 Federal Surplus/Deficit	1236	570	178	17	-34	-999	-2042	-2092	586	2928	3749	5244	3664	2819	965
1933 Federal Surplus/Deficit	1157	1416	538	270	-346	-193	2905	1202	50	770	1572	3380	2961	2137	1280
1934 Federal Surplus/Deficit	2888	2250	784	945	1285	4566	2759	2756	2740	2988	3711	4934	1149	1936	2481
1935 Federal Surplus/Deficit	630	43	-137	55	-398	-873	2122	2801	-707	449	1734	2631	3138	2730	1066
1936 Federal Surplus/Deficit	2298	299	140	152	0.3	-758	-1497	-1751	-588	-28	3091	5839	3459	1507	778
1937 Federal Surplus/Deficit	1512	519	46	231	37	-722	-2135	-1682	-765	-512	-1000	71	1679	974	-167
1938 Federal Surplus/Deficit	1186	256	52	333	-205	-566	2369	-123	1765	2196	3143	5698	3978	2507	1600
1939 Federal Surplus/Deficit	633	388	548	353	-15	-735	289	-1705	-18	642	1541	3504	1240	1923	582
1940 Federal Surplus/Deficit	1821	534	1.2	431	-57	-521	-214	-868	1882	1101	2850	2865	1817	1368	821
1941 Federal Surplus/Deficit	434	-67	-31	342	-155	-435	141	-1761	-814	-340	-1101	1106	1688	1096	53
1942 Federal Surplus/Deficit	526	462	519	164	-347	1005	2475	-218	-1283	-24	1031	2730	4106	3494	1137
1943 Federal Surplus/Deficit	2609	1466	106	221	-210	-634	1956	1907	2663	3202	3776	5506	3920	2926	1991
1944 Federal Surplus/Deficit	2759	1010	191	173	-66	-762	-34	-1798	-1238	-1039	-1701	-475	613	953	-161
1945 Federal Surplus/Deficit	579	247	103	77	-11	-1256	-2002	-1373	-895	-835	-1332	2719	4034	1648	198
1946 Federal Surplus/Deficit	855	523	-6.7	43	-59	-607	1078	290	3008	2845	4011	5961	3642	3202	1722
1947 Federal Surplus/Deficit	2649	1024	577	5.3	-104	2219	2893	2628	3219	1528	2281	5175	4002	3323	2306
1948 Federal Surplus/Deficit	1890	255	402	2356	610	1269	3802	298	1631	1212	3860	6269	5627	2954	2402
1949 Federal Surplus/Deficit	3059	2740	783	420	-139	-524	233	-186	3472	2088	4054	5683	3689	736	1678
1950 Federal Surplus/Deficit	600	-222	-217	189	-210	-917	883	3144	4106	3420	3635	4989	2789	2541	1751
1951 Federal Surplus/Deficit	2506	1622	606	1095	1027	2932	3403	2903	2798	3462	3856	5887	3700	3017	2758
1952 Federal Surplus/Deficit	3087	1646	536	1795	-61	1257	2601	1298	1425	3846	4229	5997	4233	2454	2328
1953 Federal Surplus/Deficit	1882	245	229	183	33	-953	16	1857	-58	10	1508	4402	3665	2895	1174
1954 Federal Surplus/Deficit	2613	1257	466	360	-45	464	1219	2824	1751	2537	2706	5541	2975	2326	1870
1955 Federal Surplus/Deficit	3794	3617	2730	538	107	552	26	-1532	-1057	86	1005	2426	2894	2066	1083
1956 Federal Surplus/Deficit	3120	2795	145	719	539	2715	3363	1667	3830	3595	3311	5725	2829	2859	2567
1957 Federal Surplus/Deficit	3013	1510	484	562	-185	85	1291	-717	1459	3269	3289	6166	3407	2371	1705
1958 Federal Surplus/Deficit	1062	303	202	200	-60	-817	121	1405	1767	1198	3542	5931	3862	2233	1491
1959 Federal Surplus/Deficit	1063	688	340	163	144	1655	3323	2933	1823	2400	2226	4446	3268	2744	2002
1960 Federal Surplus/Deficit	2958	1334	2791	2829	1578	2288	3226	-657	1332	2864	3963	3543	3629	2626	2395
1961 Federal Surplus/Deficit	2027	118	373	259	-156	-150	1541	2249	2151	2647	1877	4891	3032	2626	1679
1962 Federal Surplus/Deficit	1544	947	37	260	48	-742	1167	-495	-632	3276	3792	4319	3780	3008	1294
1963 Federal Surplus/Deficit	2118	960	183	725	307	1728	2668	318	-340	424	604	4261	4257	2936	1591
1964 Federal Surplus/Deficit	2776	1110	568	23	-15	-578	781	-434	-885	1401	2031	3381	3143	2386	1002
1965 Federal Surplus/Deficit	3087	2274	992	1117	-23	2679	3426	3642	3291	2331	4029	5697	3981	2712	2781
1966 Federal Surplus/Deficit	2961	1737	548	694	-59	242	2695	-669	-749	3506	2130	2977	3095	2913	1405
1967 Federal Surplus/Deficit	2947	691	83	164	-66	-478	3434	3586	700	893	323	3556	3033	2827	1605
1968 Federal Surplus/Deficit	3200	1085	574	361	-218	-308	1864	2033	1490	-919	-21	2694	3535	3301	1417
1969 Federal Surplus/Deficit	3190	1936	1507	1218	663	1331	3569	2962	1098	3470	3667	5874	3462	3198	2584
1970 Federal Surplus/Deficit	2119	550	314	317	-7.6	-629	1332	797	281	-180	950	4198	3933	2502	1230
1971 Federal Surplus/Deficit	919	135	-12	196	330	-738	2980	2963	2638	3215	4121	5925	3136	2731	2029
1972 Federal Surplus/Deficit	3872	2974	796	534	-14	150	3461	3652	3259	2457	3030	5805	3662	2336	2484
1973 Federal Surplus/Deficit	3861	3213	1262	579	-122	441	2316	-1540	-908	-1145	-1143	986	1521	1441	697
1974 Federal Surplus/Deficit	1032	-78	-476	65	-470	1449	2954	2835	4112	3374	3716	5891	3588	2014	2165
1975 Federal Surplus/Deficit	3615	3052	693	-195	-57	-573	2046	883	2415	675	1776	4444	3597	2575	1699
1976 Federal Surplus/Deficit	1471	1081	654	1178	943	3810	3355	2914	1911	3735	3982	6081	3792	2577	2696
1977 Federal Surplus/Deficit	3427	3578	3488	423	-114	-764	194	-1912	-1595	-1528	-1964	-136	314	550	184
1978 Federal Surplus/Deficit	763	378	-165	-219	-269	-506	1363	747	2069	2987	1770	3863	3348	3312	1374
-Ranked Averages-															
Top Ten Percent	2675	1942	781	1066	630	2693	3423	2817	2586	3319	3769	5853	3553	2873	2677
Middle Eighty Percent	2043	1081	510	430	5.9	78	1519	684	1082	1536	2177	4243	3245	2400	1468
Bottom Ten Percent	1908	445	60	177	42	-861	-1405	-1633	-772	-554	-1236	-344	1611	1310	-128

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

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50-Water Year Surplus/Deficit
Regional Tables
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Regional Surplus/Deficit by Water Year
PNW Loads and Resource Study
2006 - 2007 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6766	1751	3183	3206	3951	857	1356	-407	960	1837	1571	-378	6252	4921	2489
1930 Regional Surplus/Deficit	3512	1908	2579	3397	3411	1749	-715	1247	824	2856	1801	-984	3869	5011	2119
1931 Regional Surplus/Deficit	4046	2403	2366	3428	3514	31	-636	-68	554	2643	1033	-1634	3794	4679	1758
1932 Regional Surplus/Deficit	3101	2278	2617	2821	3375	811	-321	-797	3458	8789	10380	8930	9439	7711	4193
1933 Regional Surplus/Deficit	3616	4124	3542	3545	4117	2977	8167	4506	2352	4901	5394	5669	9865	9267	5252
1934 Regional Surplus/Deficit	7265	5898	4275	5736	7126	11931	9888	9323	8023	10213	9978	8661	3954	5489	7590
1935 Regional Surplus/Deficit	2758	2069	2047	3338	4136	1754	7032	8198	929	3738	5865	4596	7768	7652	4555
1936 Regional Surplus/Deficit	5645	2233	2906	3270	3428	2050	-53	-113	621	3202	8324	9809	8144	4798	3714
1937 Regional Surplus/Deficit	4053	2435	2726	3328	3383	2047	-1293	-929	465	2713	1235	-154	5182	4227	2017
1938 Regional Surplus/Deficit	3503	1956	2657	3724	4171	2397	7556	2685	5480	7151	9145	10453	9575	7214	5566
1939 Regional Surplus/Deficit	3565	2131	3378	3630	3612	1619	3826	77	2226	4961	5878	6180	4188	5605	3551
1940 Regional Surplus/Deficit	4577	2386	2523	3725	3446	2070	2618	1732	5777	5484	7907	4326	4289	4669	3779
1941 Regional Surplus/Deficit	2494	1417	2186	3286	3063	1810	2529	330	246	2456	620	1075	4016	3949	2165
1942 Regional Surplus/Deficit	2328	1818	3227	3172	2654	4797	6412	2601	-621	3335	4864	4229	9308	8677	4219
1943 Regional Surplus/Deficit	6055	4043	2795	3374	3984	2293	6684	6805	7131	11451	10868	10173	9890	9670	6584
1944 Regional Surplus/Deficit	6838	3609	3146	3571	3725	2552	2205	-81	-566	1685	114	-1253	2414	3823	2138
1945 Regional Surplus/Deficit	2462	1659	2506	2778	3146	694	-464	195	242	1812	1255	4594	9150	5439	2656
1946 Regional Surplus/Deficit	3798	2290	2507	3322	4180	2333	5692	3723	8127	9026	10345	11212	9364	8733	5994
1947 Regional Surplus/Deficit	6322	3554	3784	3352	4247	7461	8445	8408	8606	7039	7766	8949	8987	8361	6912
1948 Regional Surplus/Deficit	4897	2150	3508	8545	5875	5381	9814	3573	4893	6035	9828	11152	13264	9182	7220
1949 Regional Surplus/Deficit	7512	6914	4355	4260	4102	1994	3148	2910	8789	7670	10593	10529	9250	4265	5829
1950 Regional Surplus/Deficit	3596	1891	2189	3671	4370	1937	5150	8879	10530	10569	10304	8889	9889	9417	6508
1951 Regional Surplus/Deficit	6867	5257	4083	6106	7135	9768	10357	10526	8161	11057	10822	10950	9286	9172	8545
1952 Regional Surplus/Deficit	7235	4696	4026	7453	4521	5487	8084	5887	4907	10552	10821	11301	9913	7025	7105
1953 Regional Surplus/Deficit	5000	2086	3175	3377	3625	895	4199	6895	2370	3698	5713	8094	10102	9466	5037
1954 Regional Surplus/Deficit	6521	4153	3655	4071	4315	4559	5995	8514	5976	8704	8198	9781	9319	9446	6618
1955 Regional Surplus/Deficit	9287	8606	8028	4504	4909	4230	2668	717	-29	3852	4340	3793	9363	9349	5048
1956 Regional Surplus/Deficit	7578	6681	3142	5515	6129	8688	10569	6643	9797	11179	10811	11080	10275	9342	8275
1957 Regional Surplus/Deficit	7260	4668	3826	4898	4124	3893	5533	2484	5541	9564	8790	11328	9815	6577	6097
1958 Regional Surplus/Deficit	3500	2197	3123	3576	3726	2365	3565	6094	5577	6170	9122	10771	9564	6345	5433
1959 Regional Surplus/Deficit	3389	2895	3377	3623	5041	6531	9742	8566	5680	8637	7519	7807	9316	9142	6670
1960 Regional Surplus/Deficit	6912	4114	8429	9474	7868	7512	8388	2300	4977	11126	10523	6185	9160	7559	7349
1961 Regional Surplus/Deficit	5355	2008	3444	3676	4291	2604	6418	7644	6384	8458	6028	8194	9010	7172	5813
1962 Regional Surplus/Deficit	4220	3270	2726	3722	4046	1935	5330	2249	866	9874	10926	7692	8591	7818	4927
1963 Regional Surplus/Deficit	5506	3391	3115	4726	5244	6727	7736	4453	1505	4688	4224	7170	9468	7681	5561
1964 Regional Surplus/Deficit	6300	3485	3726	3356	4474	2182	4898	1957	622	6211	6459	5984	10318	9313	4838
1965 Regional Surplus/Deficit	7514	5981	4798	5515	4313	8376	10512	10492	8515	8178	10972	10385	9890	7764	8074
1966 Regional Surplus/Deficit	7120	5002	3936	4672	4036	3273	8169	1609	1243	10570	6858	5286	7432	8069	5208
1967 Regional Surplus/Deficit	6718	2881	2927	3537	4070	2745	9790	9680	3615	5875	3901	6677	10088	9242	6005
1968 Regional Surplus/Deficit	7154	3451	3758	4443	4066	2671	7090	7570	5735	2000	2837	4490	9259	9090	5491
1969 Regional Surplus/Deficit	7108	5400	5873	6143	6055	5722	10134	8624	4473	11168	10677	11314	9395	8271	7765
1970 Regional Surplus/Deficit	5085	2454	3468	4010	4079	1932	5888	4537	2825	3466	4415	7591	9957	6929	4911
1971 Regional Surplus/Deficit	3497	1655	2802	3656	4638	2545	9007	10318	7766	9696	10521	11035	10163	9736	7029
1972 Regional Surplus/Deficit	8958	7065	4342	4630	4516	3434	10110	10585	10918	11297	9602	10931	11057	9440	8202
1973 Regional Surplus/Deficit	9267	7617	5295	4436	4005	4463	7644	172	597	1337	2010	1403	4202	4823	3930
1974 Regional Surplus/Deficit	3236	1686	1544	3148	3380	6207	10781	10624	10773	11079	10753	10902	11092	9546	7614
1975 Regional Surplus/Deficit	8545	7351	4168	2851	4014	2545	7557	4527	6494	4767	6068	8316	10108	9839	6149
1976 Regional Surplus/Deficit	4622	4238	4220	5936	6704	11228	10516	8772	6116	11310	10501	11282	9814	9330	8271
1977 Regional Surplus/Deficit	9457	9483	9287	4009	3621	1931	2606	-227	-700	569	-716	-717	1544	2967	2810
1978 Regional Surplus/Deficit	2717	1777	1895	2226	3237	2177	5731	4343	6141	9295	6572	7451	7838	9199	5035
-Ranked Averages-															
Top Ten Percent	7108	5844	4117	5540	5760	8299	10413	9404	8701	10604	10542	10926	10064	9010	8273
Middle Eighty Percent	5454	3587	3690	4126	4283	3462	6048	4546	4271	6714	7171	7495	8690	7642	5476
Bottom Ten Percent	4189	2354	2601	3402	3419	1638	418	100	304	2470	961	-590	3855	4338	2039

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6954	1934	3465	3369	3964	862	1374	-337	985	1925	1653	550	7403	4815	2723
1930 Regional Surplus/Deficit	3696	2090	2861	3563	3437	1753	-703	1321	849	2945	1886	-58	5018	4908	2355
1931 Regional Surplus/Deficit	4232	2587	2649	3592	3527	35	-624	2.5	578	2734	1114	-706	4940	4570	1991
1932 Regional Surplus/Deficit	3288	2462	2899	2986	3387	815	-310	-727	3488	8888	10479	9873	10597	7630	4433
1933 Regional Surplus/Deficit	3804	4310	3824	3705	4128	2982	8191	4585	2377	4992	5482	6604	11031	9091	5484
1934 Regional Surplus/Deficit	7450	6083	4552	5892	7142	11949	9922	9410	8058	10321	10079	9600	5099	5395	7832
1935 Regional Surplus/Deficit	2943	2250	2328	3492	4148	1758	7055	8280	952	3828	5957	5531	8922	7572	4794
1936 Regional Surplus/Deficit	5833	2416	3186	3434	3447	2055	-39	-43	648	3291	8418	10756	9296	4694	3951
1937 Regional Surplus/Deficit	4238	2616	3006	3494	3409	2050	-1280	-858	490	2800	1317	775	6329	4118	2251
1938 Regional Surplus/Deficit	3687	2136	2936	3885	4182	2400	7581	2761	5512	7250	9238	11396	10732	7130	5806
1939 Regional Surplus/Deficit	3751	2315	3661	3795	3624	1623	3845	148	2254	5053	5969	7119	5336	5506	3788
1940 Regional Surplus/Deficit	4764	2569	2805	3888	3468	2073	2636	1807	5811	5580	7999	5263	5440	4563	4017
1941 Regional Surplus/Deficit	2680	1600	2467	3449	3074	1817	2548	401	272	2544	702	2005	5167	3843	2400
1942 Regional Surplus/Deficit	2515	2002	3504	3328	2667	4807	6438	2675	-597	3427	4953	5164	10468	8604	4459
1943 Regional Surplus/Deficit	6243	4229	3077	3538	3995	2298	6709	6887	7168	11559	10970	11117	11051	9492	6819
1944 Regional Surplus/Deficit	7024	3793	3426	3729	3738	2559	2225	-10	-543	1774	195	-326	3562	3712	2372
1945 Regional Surplus/Deficit	2648	1840	2785	2942	3165	702	-451	268	267	1901	1338	5531	10308	5339	2893
1946 Regional Surplus/Deficit	3983	2474	2785	3487	4192	2338	5713	3803	8163	9125	10444	12155	10519	8657	6235
1947 Regional Surplus/Deficit	6509	3737	4065	3505	4259	7476	8472	8493	8641	7133	7859	9893	10143	8285	7154
1948 Regional Surplus/Deficit	5085	2334	3789	8704	5891	5391	9842	3650	4923	6129	9924	12100	14432	9002	7455
1949 Regional Surplus/Deficit	7699	7101	4636	4415	4113	1999	3169	2987	8829	7767	10692	11474	10405	4155	6068
1950 Regional Surplus/Deficit	3779	2070	2466	3825	4382	1940	5171	8963	10571	10674	10401	9828	11054	9239	6742
1951 Regional Surplus/Deficit	7052	5441	4363	6261	7153	9784	10387	10617	8198	11160	10921	11894	10440	8992	8781
1952 Regional Surplus/Deficit	7424	4884	4309	7610	4535	5498	8110	5968	4940	10657	10922	12250	11071	6938	7348
1953 Regional Surplus/Deficit	5187	2268	3456	3543	3651	904	4220	6979	2397	3785	5801	9033	11268	9288	5272
1954 Regional Surplus/Deficit	6707	4336	3936	4234	4327	4566	6018	8598	6006	8804	8293	10722	10480	9269	6852
1955 Regional Surplus/Deficit	9475	8791	8312	4660	4924	4237	2686	789	-5.2	3944	4425	4725	10530	9175	5279
1956 Regional Surplus/Deficit	7762	6866	3420	5669	6144	8703	10601	6726	9837	11281	10915	12029	11442	9163	8512
1957 Regional Surplus/Deficit	7444	4850	4106	5054	4137	3901	5556	2559	5572	9670	8884	12275	10981	6488	6338
1958 Regional Surplus/Deficit	3685	2379	3404	3739	3739	2369	3586	6176	5608	6263	9219	11717	10725	6252	5674
1959 Regional Surplus/Deficit	3575	3078	3656	3783	5055	6542	9773	8651	5711	8734	7609	8745	10479	8964	6905
1960 Regional Surplus/Deficit	7099	4299	8706	9635	7888	7525	8413	2377	5009	11233	10618	7121	10317	7479	7591
1961 Regional Surplus/Deficit	5543	2190	3724	3836	4304	2609	6440	7727	6417	8554	6119	9131	10173	7084	6054
1962 Regional Surplus/Deficit	4405	3453	3003	3876	4058	1938	5352	2323	892	9976	11026	8629	9746	7738	5165
1963 Regional Surplus/Deficit	5691	3573	3395	4882	5258	6738	7759	4534	1534	4779	4311	8111	10628	7601	5801
1964 Regional Surplus/Deficit	6488	3669	4006	3519	4486	2187	4919	2033	647	6308	6548	6920	11484	9138	5070
1965 Regional Surplus/Deficit	7699	6164	5078	5678	4325	8393	10547	10583	8554	8277	11074	11330	11052	7690	8320
1966 Regional Surplus/Deficit	7310	5190	4220	4839	4053	3284	8193	1683	1270	10670	6947	6223	8583	7992	5450
1967 Regional Surplus/Deficit	6908	3066	3207	3697	4082	2750	9815	9766	3642	5970	3987	7611	11253	9064	6238
1968 Regional Surplus/Deficit	7342	3637	4040	4598	4081	2678	7115	7653	5766	2088	2923	5425	10418	8911	5723
1969 Regional Surplus/Deficit	7297	5588	6147	6297	6067	5728	10166	8711	4507	11274	10778	12261	10552	8193	8008
1970 Regional Surplus/Deficit	5264	2630	3741	4163	4090	1933	5913	4620	2853	3554	4503	8529	11119	6842	5148
1971 Regional Surplus/Deficit	3677	1835	3075	3810	4648	2547	9038	10412	7803	9797	10619	11984	11329	9560	7264
1972 Regional Surplus/Deficit	9141	7248	4614	4784	4526	3440	10139	10677	10962	11403	9693	11879	12224	9263	8438
1973 Regional Surplus/Deficit	9452	7801	5573	4597	4018	4471	7671	244	623	1424	2092	2332	5351	4717	4165
1974 Regional Surplus/Deficit	3419	1865	1818	3304	3389	6215	10819	10716	10814	11185	10856	11848	12259	9375	7852
1975 Regional Surplus/Deficit	8727	7534	4448	3013	4030	2551	7581	4607	6529	4862	6158	9257	11272	9667	6383
1976 Regional Surplus/Deficit	4803	4416	4497	6092	6718	11244	10547	8857	6151	11416	10597	12229	10970	9153	8506
1977 Regional Surplus/Deficit	9645	9670	9574	4172	3641	1944	2625	-156	-678	655	-635	210	2689	2847	3045
1978 Regional Surplus/Deficit	2902	1957	2170	2380	3245	2180	5754	4421	6177	9391	6663	8390	8993	9019	5265
-Ranked Averages-															
Top Ten Percent	7292	6027	4395	5697	5773	8313	10444	9492	8740	10708	10640	11872	11226	8852	8511
Middle Eighty Percent	5640	3770	3970	4286	4296	3469	6071	4625	4302	6811	7263	8435	9848	7519	5714
Bottom Ten Percent	4374	2537	2882	3565	3437	1642	433	171	329	2560	1043	338	5003	4230	2274

Regional Surplus/Deficit by Water Year
PNW Loads and Resource Study
2008 - 2009 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6767	1891	3486	3094	3608	434	863	-820	576	584	368	-756	6703	4619	2218
1930 Regional Surplus/Deficit	3485	2050	2882	3288	3081	1325	-1216	838	441	1604	600	-1363	4302	4695	1845
1931 Regional Surplus/Deficit	4027	2552	2670	3317	3171	-393	-1137	-481	170	1393	-171	-2010	4193	4270	1473
1932 Regional Surplus/Deficit	3082	2429	2921	2711	3031	388	-823	-1210	3079	7548	9131	8570	9722	7428	3909
1933 Regional Surplus/Deficit	3599	4289	3845	3431	3771	2556	7682	4106	1968	3651	4197	5302	10158	8659	4945
1934 Regional Surplus/Deficit	7270	6077	4573	5618	6787	11526	9416	8932	7652	8925	8731	8301	4313	5112	7311
1935 Regional Surplus/Deficit	2733	2213	2349	3217	3790	1331	6545	7801	543	2487	4674	4229	8215	7347	4285
1936 Regional Surplus/Deficit	5647	2384	3207	3159	3091	1628	-552	-526	239	1949	7066	9455	8588	4482	3441
1937 Regional Surplus/Deficit	4036	2583	3027	3219	3053	1623	-1793	-1341	82	1459	32	-530	5612	3906	1743
1938 Regional Surplus/Deficit	3483	2101	2957	3611	3825	1972	7072	2278	5105	5909	7953	10094	9856	6940	5286
1939 Regional Surplus/Deficit	3539	2278	3682	3520	3267	1195	3334	-335	1846	3711	4683	5818	4613	5288	3278
1940 Regional Surplus/Deficit	4566	2536	2826	3613	3112	1646	2124	1324	5404	4239	6715	3960	4725	4346	3509
1941 Regional Surplus/Deficit	2467	1560	2488	3174	2718	1390	2036	-83	-137	1203	-583	702	4459	3641	1893
1942 Regional Surplus/Deficit	2302	1971	3525	3053	2310	4381	5929	2192	-1006	2084	3667	3861	9594	8400	3938
1943 Regional Surplus/Deficit	6056	4207	3098	3263	3638	1870	6198	6405	6760	10162	9621	9815	10175	9057	6275
1944 Regional Surplus/Deficit	6842	3767	3447	3454	3381	2130	1713	-494	-951	432	-1090	-1631	2849	3514	1866
1945 Regional Surplus/Deficit	2434	1803	2806	2667	2809	275	-965	-216	-141	559	52	4226	9433	5149	2372
1946 Regional Surplus/Deficit	3772	2440	2806	3212	3835	1909	5201	3321	7756	7785	9159	10789	9645	8447	5708
1947 Regional Surplus/Deficit	6323	3710	4086	3230	3902	7050	7962	8012	8235	5792	6575	8537	9448	8075	6645
1948 Regional Surplus/Deficit	4892	2297	3810	8431	5535	4965	9332	3168	4516	4789	8641	10733	13672	8569	6920
1949 Regional Surplus/Deficit	7518	7099	4658	4140	3757	1572	2658	2504	8423	6425	9344	10106	9529	3960	5542
1950 Regional Surplus/Deficit	3568	2027	2486	3550	4025	1512	4661	8483	10165	9333	9117	8526	10181	8806	6202
1951 Regional Surplus/Deficit	6868	5426	4384	5987	6797	9359	9879	10138	7791	9761	9572	10527	9563	8560	8233
1952 Regional Surplus/Deficit	7244	4867	4330	7337	4178	5071	7601	5486	4533	9257	9572	10884	10195	6755	6820
1953 Regional Surplus/Deficit	4992	2233	3477	3268	3295	477	3707	6498	1988	2444	4516	7731	10394	8855	4732
1954 Regional Surplus/Deficit	6520	4314	3957	3960	3970	4140	5508	8117	5599	7463	7007	9420	9607	8836	6314
1955 Regional Surplus/Deficit	9194	8798	8336	4386	4568	3810	2174	306	-413	2603	3139	3421	9658	8745	4738
1956 Regional Surplus/Deficit	7585	6862	3441	5395	5788	8278	10093	6244	9430	9883	9568	10662	10570	8730	7965
1957 Regional Surplus/Deficit	7263	4831	4127	4779	3780	3474	5046	2076	5164	8331	7599	10908	10109	6289	5814
1958 Regional Surplus/Deficit	3477	2342	3424	3464	3382	1941	3075	5694	5201	4922	7934	10350	9851	6052	5148
1959 Regional Surplus/Deficit	3367	3047	3677	3508	4699	6116	9265	8171	5304	7395	6326	7443	9606	8531	6366
1960 Regional Surplus/Deficit	6918	4275	8730	9363	7532	7100	7904	1895	4602	9838	9269	5819	9442	7261	7066
1961 Regional Surplus/Deficit	5351	2151	3745	3561	3947	2182	5930	7246	6010	7216	4837	7830	9301	6858	5533
1962 Regional Surplus/Deficit	4201	3423	3024	3601	3702	1510	4842	1840	483	8637	9677	7327	9052	7531	4657
1963 Regional Surplus/Deficit	5499	3546	3416	4607	4902	6312	7249	4051	1127	3439	3027	6809	9845	7400	5289
1964 Regional Surplus/Deficit	6302	3643	4027	3244	4129	1759	4409	1551	238	4966	5264	5617	10611	8706	4531
1965 Regional Surplus/Deficit	7519	6154	5100	5404	3969	7967	10040	10103	8147	6936	9724	9981	10177	7523	7798
1966 Regional Surplus/Deficit	7130	5175	4241	4564	3696	2858	7684	1201	861	9331	5664	4922	7867	7760	4942
1967 Regional Surplus/Deficit	6724	3033	3228	3422	3726	2323	9307	9287	3235	4631	2704	6307	10381	8632	5699
1968 Regional Surplus/Deficit	7162	3612	4062	4323	3724	2252	6605	7172	5359	746	1611	4122	9543	8478	5184
1969 Regional Surplus/Deficit	7117	5576	6169	6023	5711	5302	9657	8230	4100	9878	9429	10895	9678	7983	7479
1970 Regional Surplus/Deficit	5068	2594	3762	3888	3734	1506	5403	4139	2444	2213	3220	7225	10244	6667	4630
1971 Regional Surplus/Deficit	3467	1794	3096	3535	4291	2119	8528	9933	7396	8456	9335	10617	10455	9127	6719
1972 Regional Surplus/Deficit	8969	7245	4636	4509	4169	3013	9629	10198	10558	10007	8409	10512	11467	8832	7903
1973 Regional Surplus/Deficit	9188	7804	5595	4322	3661	4044	7161	-240	214	83	807	1028	4636	4505	3656
1974 Regional Surplus/Deficit	3210	1822	1839	3028	3031	5789	10312	10238	10407	9787	9508	10481	11463	8944	7308
1975 Regional Surplus/Deficit	8555	7534	4470	2738	3674	2124	7071	4125	6123	3522	4874	7953	10397	9235	5846
1976 Regional Surplus/Deficit	4604	4392	4518	5817	6362	10819	10039	8378	5743	10019	9313	10862	10094	8722	7960
1977 Regional Surplus/Deficit	9365	9571	9598	3897	3285	1516	2114	-639	-1087	-733	-1954	-1118	1936	2545	2514
1978 Regional Surplus/Deficit	2691	1922	2191	2105	2888	1751	5243	3937	5770	8050	5380	7088	8303	8585	4740
-Ranked Averages-															
Top Ten Percent	7109	6016	4416	5422	5417	7887	9936	9012	8334	9321	9317	10509	10374	8473	7972
Middle Eighty Percent	5439	3742	3991	4011	3940	3042	5561	4143	3894	5460	5961	7116	9029	7224	5188
Bottom Ten Percent	4171	2502	2903	3290	3081	1215	-79	-312	-79	1218	-243	-967	4283	4005	1764

Regional Surplus/Deficit by Water Year
PNW Loads and Resource Study
2009 - 2010 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6611	1516	2945	2753	3156	-101	533	-1171	265	364	582	297	6623	4261	2008
1930 Regional Surplus/Deficit	3318	1674	2340	2949	2630	789	-1551	489	130	1385	815	-310	4224	4336	1635
1931 Regional Surplus/Deficit	3828	2175	2129	2977	2720	-927	-1472	-831	-141	1176	44	-956	4115	3911	1261
1932 Regional Surplus/Deficit	2782	1946	2380	2371	2579	-147	-1158	-1561	2769	7335	9357	9635	9651	7071	3692
1933 Regional Surplus/Deficit	3436	3901	3304	3091	3319	2022	7358	3764	1656	3435	4417	6365	10088	8307	4739
1934 Regional Surplus/Deficit	7094	5696	4034	5281	6339	10999	9095	8594	7347	8716	8957	9367	4234	4755	7106
1935 Regional Surplus/Deficit	2459	1753	1808	2877	3338	796	6220	7461	230	2270	4895	5290	8142	6991	4070
1936 Regional Surplus/Deficit	5413	1969	2667	2819	2640	1093	-886	-876	-71	1731	7285	10522	8514	4124	3229
1937 Regional Surplus/Deficit	3846	2210	2485	2879	2602	1087	-2127	-1691	-230	1241	247	523	5533	3547	1532
1938 Regional Surplus/Deficit	3235	1654	2416	3271	3373	1436	6748	1931	4798	5695	8176	11160	9782	6583	5073
1939 Regional Surplus/Deficit	3396	1948	3142	3181	2816	659	3005	-685	1535	3494	4900	6882	4535	4930	3072
1940 Regional Surplus/Deficit	4303	2084	2285	3274	2660	1111	1793	975	5097	4024	6936	5020	4649	3988	3294
1941 Regional Surplus/Deficit	2230	1126	1946	2835	2265	855	1707	-433	-448	983	-367	1758	4383	3280	1678
1942 Regional Surplus/Deficit	2146	1636	2985	2713	1857	3850	5605	1842	-1319	1866	3885	4921	9522	8044	3732
1943 Regional Surplus/Deficit	5891	3844	2557	2924	3186	1335	5872	6060	6453	9951	9845	10881	10102	8700	6070
1944 Regional Surplus/Deficit	6692	3446	2905	3114	2929	1594	1384	-844	-1263	213	-876	-578	2769	3154	1659
1945 Regional Surplus/Deficit	2274	1433	2265	2327	2357	-260	-1300	-566	-453	340	266	5285	9359	4790	2163
1946 Regional Surplus/Deficit	3621	2085	2264	2873	3383	1372	4872	2976	7450	7572	9383	11854	9572	8091	5503
1947 Regional Surplus/Deficit	6160	3379	3545	2889	3450	6519	7638	7669	7930	5577	6798	9601	9375	7719	6441
1948 Regional Surplus/Deficit	4736	1978	3269	8095	5085	4433	9007	2820	4208	4575	8865	11799	13602	8214	6717
1949 Regional Surplus/Deficit	7360	6759	4120	3801	3304	1037	2329	2157	8117	6209	9569	11170	9456	3600	5337
1950 Regional Surplus/Deficit	3418	1683	1944	3210	3573	975	4333	8142	9861	9120	9341	9590	10111	8450	5998
1951 Regional Surplus/Deficit	6718	5094	3844	5649	6347	8829	9556	9798	7485	9549	9797	11593	9489	8205	8031
1952 Regional Surplus/Deficit	7079	4537	3791	7000	3726	4540	7276	5142	4226	9044	9795	11950	10122	6397	6616
1953 Regional Surplus/Deficit	4840	1914	2936	2928	2844	-59	3376	6156	1677	2225	4735	8796	10324	8499	4528
1954 Regional Surplus/Deficit	6364	3986	3417	3620	3519	3607	5181	7776	5292	7251	7229	10486	9537	8482	6111
1955 Regional Surplus/Deficit	8827	8450	7801	4048	4118	3278	1843	-44	-725	2385	3354	4480	9590	8392	4524
1956 Regional Surplus/Deficit	7418	6492	2900	5056	5338	7748	9770	5900	9125	9672	9794	11728	10501	8375	7761
1957 Regional Surplus/Deficit	7102	4506	3586	4440	3328	2941	4719	1727	4854	8120	7822	11973	10040	5931	5609
1958 Regional Surplus/Deficit	3334	2016	2883	3124	2931	1405	2746	5349	4894	4706	8158	11414	9780	5694	4944
1959 Regional Surplus/Deficit	3225	2725	3136	3168	4248	5585	8942	7831	4996	7183	6548	8507	9535	8177	6164
1960 Regional Surplus/Deficit	6750	3947	8194	9027	7085	6570	7579	1548	4294	9629	9494	6883	9370	6905	6864
1961 Regional Surplus/Deficit	5188	1807	3205	3221	3496	1648	5604	6903	5704	7005	5061	8895	9232	6501	5328
1962 Regional Surplus/Deficit	3964	3005	2483	3261	3250	973	4515	1490	172	8427	9902	8391	8977	7174	4445
1963 Regional Surplus/Deficit	5342	3207	2875	4268	4451	5781	6923	3704	818	3222	3246	7873	9771	7044	5085
1964 Regional Surplus/Deficit	6141	3313	3487	2903	3677	1224	4082	1203	-74	4750	5485	6679	10541	8353	4327
1965 Regional Surplus/Deficit	7361	5820	4561	5067	3518	7437	9716	9762	7841	6723	9948	11046	10103	7166	7595
1966 Regional Surplus/Deficit	6977	4856	3701	4225	3245	2325	7359	853	550	9119	5883	5985	7792	7405	4738
1967 Regional Surplus/Deficit	6474	2619	2687	3082	3274	1788	8982	8947	2925	4419	2924	7368	10311	8278	5488
1968 Regional Surplus/Deficit	6993	3269	3522	3983	3272	1718	6280	6827	5052	527	1830	5182	9471	8124	4979
1969 Regional Surplus/Deficit	6949	5250	5632	5686	5261	4771	9333	7889	3793	9668	9654	11962	9606	7626	7277
1970 Regional Surplus/Deficit	4914	2256	3221	3548	3283	971	5076	3794	2134	1995	3441	8287	10172	6308	4425
1971 Regional Surplus/Deficit	3327	1470	2554	3195	3839	1582	8202	9594	7089	8243	9559	11683	10384	8772	6516
1972 Regional Surplus/Deficit	8807	6906	4096	4169	3717	2480	9304	9858	10254	9798	8632	11577	11398	8478	7700
1973 Regional Surplus/Deficit	8820	7460	5056	3983	3209	3511	6836	-590	-98	-137	1022	2084	4559	4146	3440
1974 Regional Surplus/Deficit	2999	1420	1297	2688	2578	5258	9991	9900	10102	9576	9733	11546	11393	8592	7101
1975 Regional Surplus/Deficit	8397	7195	3931	2398	3222	1588	6745	3780	5817	3307	5095	9017	10324	8881	5642
1976 Regional Surplus/Deficit	4472	4083	3978	5479	5913	10290	9715	8037	5436	9808	9537	11927	10019	8368	7759
1977 Regional Surplus/Deficit	8999	9027	9064	3558	2833	981	1786	-990	-1399	-952	-1740	-62	1857	2184	2290
1978 Regional Surplus/Deficit	2389	1456	1649	1764	2436	1214	4915	3589	5465	7837	5604	8152	8228	8228	4524
-Ranked Averages-															
Top Ten Percent	6955	5679	3876	5084	4967	7357	9612	8671	8028	9110	9542	11574	10302	8118	7769
Middle Eighty Percent	5243	3374	3451	3672	3488	2508	5234	3798	3586	5246	6182	8179	8956	6868	4980
Bottom Ten Percent	3983	2126	2361	2951	2629	680	-412	-662	-390	1000	-28	88	4205	3646	1553

Regional Surplus/Deficit by Water Year
PNW Loads and Resource Study
2010 - 2011 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6385	1285	2795	2488	2926	-417	155	-1473	-33	172	221	-684	5737	3942	1622
1930 Regional Surplus/Deficit	3090	1442	2190	2684	2401	474	-1932	187	-168	1193	453	-1291	3340	4018	1249
1931 Regional Surplus/Deficit	3600	1944	1979	2712	2491	-1242	-1854	-1134	-439	984	-318	-1936	3231	3592	875
1932 Regional Surplus/Deficit	2555	1716	2231	2106	2349	-462	-1540	-1864	2471	7146	9003	8662	8769	6754	3307
1933 Regional Surplus/Deficit	3211	3672	3155	2826	3088	1709	6983	3467	1357	3243	4058	5391	9209	7994	4356
1934 Regional Surplus/Deficit	6868	5469	3885	5017	6111	10689	8723	8299	7053	8531	8603	8395	3349	4439	6725
1935 Regional Surplus/Deficit	2231	1521	1659	2612	3107	481	5845	7164	-68	2078	4537	4314	7258	6675	3686
1936 Regional Surplus/Deficit	5187	1738	2517	2554	2410	778	-1267	-1179	-369	1539	6924	9551	7631	3806	2844
1937 Regional Surplus/Deficit	3620	1979	2335	2614	2372	773	-2508	-1993	-527	1048	-115	-457	4646	3228	1146
1938 Regional Surplus/Deficit	3007	1423	2266	3007	3143	1120	6373	1630	4502	5505	7818	10188	8898	6266	4689
1939 Regional Surplus/Deficit	3167	1716	2992	2915	2586	343	2627	-987	1237	3301	4539	5909	3651	4612	2687
1940 Regional Surplus/Deficit	4077	1853	2134	3009	2430	796	1414	673	4801	3832	6578	4044	3766	3668	2909
1941 Regional Surplus/Deficit	2002	895	1796	2569	2035	541	1329	-736	-745	790	-729	780	3498	2960	1292
1942 Regional Surplus/Deficit	1918	1405	2835	2448	1626	3536	5230	1540	-1617	1672	3524	3944	8641	7729	3347
1943 Regional Surplus/Deficit	5666	3614	2407	2658	2955	1019	5495	5760	6157	9764	9488	9909	9219	8382	5686
1944 Regional Surplus/Deficit	6466	3217	2755	2849	2699	1278	1006	-1147	-1561	20	-1238	-1558	1883	2832	1272
1945 Regional Surplus/Deficit	2046	1201	2115	2062	2127	-575	-1682	-869	-751	148	-96	4307	8476	4472	1778
1946 Regional Surplus/Deficit	3393	1854	2114	2608	3153	1056	4493	2676	7154	7382	9026	10883	8690	7775	5119
1947 Regional Surplus/Deficit	5934	3149	3396	2623	3219	6206	7262	7369	7636	5385	6441	8628	8493	7403	6058
1948 Regional Surplus/Deficit	4511	1747	3119	7833	4856	4119	8631	2518	3911	4384	8509	10828	12723	7898	6334
1949 Regional Surplus/Deficit	7134	6531	3971	3536	3074	723	1951	1856	7822	6017	9214	10197	8573	3280	4953
1950 Regional Surplus/Deficit	3189	1451	1793	2945	3343	659	3956	7844	9568	8931	8985	8616	9232	8134	5614
1951 Regional Surplus/Deficit	6491	4866	3695	5384	6117	8518	9183	9502	7190	9359	9441	10621	8605	7890	7649
1952 Regional Surplus/Deficit	6853	4309	3642	6737	3496	4226	6901	4841	3930	8854	9437	10979	9239	6079	6233
1953 Regional Surplus/Deficit	4614	1683	2786	2663	2614	-374	2996	5857	1379	2033	4375	7822	9444	8184	4144
1954 Regional Surplus/Deficit	6138	3756	3267	3355	3288	3293	4804	7477	4997	7061	6869	9513	8658	8169	5728
1955 Regional Surplus/Deficit	8604	8223	7655	3783	3888	2965	1464	-346	-1023	2192	2993	3503	8711	8080	4141
1956 Regional Surplus/Deficit	7192	6265	2751	4792	5109	7435	9397	5600	8831	9484	9440	10757	9622	8060	7379
1957 Regional Surplus/Deficit	6876	4277	3436	4174	3097	2627	4343	1424	4556	7932	7464	11000	9161	5613	5226
1958 Regional Surplus/Deficit	3106	1784	2733	2859	2700	1089	2369	5049	4598	4513	7800	10441	8900	5375	4560
1959 Regional Surplus/Deficit	2997	2494	2986	2902	4018	5271	8568	7533	4700	6994	6190	7534	8655	7863	5781
1960 Regional Surplus/Deficit	6524	3718	8048	8765	6857	6259	7204	1247	3997	9445	9139	5908	8487	6588	6481
1961 Regional Surplus/Deficit	4963	1575	3055	2956	3266	1334	5228	6604	5409	6817	4705	7922	8354	6184	4945
1962 Regional Surplus/Deficit	3738	2775	2333	2996	3020	658	4139	1188	-126	8239	9546	7417	8093	6858	4060
1963 Regional Surplus/Deficit	5115	2978	2725	4003	4222	5468	6547	3402	522	3030	2887	6898	8887	6728	4700
1964 Regional Surplus/Deficit	5916	3083	3338	2638	3447	909	3706	903	-371	4557	5126	5703	9661	8040	3943
1965 Regional Surplus/Deficit	7135	5591	4413	4803	3288	7124	9343	9464	7546	6533	9592	10074	9220	6848	7212
1966 Regional Surplus/Deficit	6752	4627	3551	3960	3015	2011	6983	552	252	8930	5525	5011	6909	7090	4354
1967 Regional Surplus/Deficit	6250	2390	2537	2817	3044	1474	8608	8651	2629	4230	2566	6391	9431	7965	5105
1968 Regional Surplus/Deficit	6767	3041	3373	3718	3042	1404	5904	6527	4756	334	1472	4205	8589	7810	4595
1969 Regional Surplus/Deficit	6724	5021	5484	5422	5032	4458	8959	7591	3497	9483	9299	10991	8725	7310	6894
1970 Regional Surplus/Deficit	4689	2025	3072	3283	3054	656	4698	3494	1836	1802	3084	7311	9289	5988	4040
1971 Regional Surplus/Deficit	3099	1238	2403	2930	3609	1266	7826	9298	6793	8053	9203	10711	9504	8457	6133
1972 Regional Surplus/Deficit	8581	6679	3946	3904	3486	2166	8928	9562	9961	9613	8274	10605	10518	8165	7318
1973 Regional Surplus/Deficit	8596	7233	4907	3717	2979	3197	6460	-893	-396	-330	661	1105	3675	3828	3055
1974 Regional Surplus/Deficit	2771	1188	1146	2423	2346	4944	9619	9606	9808	9388	9378	10573	10514	8280	6718
1975 Regional Surplus/Deficit	8171	6967	3782	2132	2992	1273	6369	3480	5522	3116	4737	8042	9442	8567	5258
1976 Regional Surplus/Deficit	4244	3852	3828	5214	5684	9979	9341	7740	5139	9620	9180	10955	9135	8055	7376
1977 Regional Surplus/Deficit	8776	8803	8920	3293	2603	665	1408	-1293	-1697	-1145	-2102	-1039	971	1864	1905
1978 Regional Surplus/Deficit	2162	1224	1499	1499	2205	897	4537	3287	5171	7646	5247	7178	7343	7912	4139
-Ranked Averages-															
Top Ten Percent	6729	5450	3726	4819	4737	7044	9238	8374	7733	8922	9185	10602	9420	7804	7387
Middle Eighty Percent	5017	3144	3302	3407	3258	2194	4857	3498	3289	5055	5824	7205	8074	6551	4596
Bottom Ten Percent	3756	1895	2211	2686	2399	365	-792	-965	-688	807	-389	-892	3320	3326	1167

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	6019	917	2463	2197	2627	-658	-41	-1500	78	140	355	-807	6737	3744	1546
1930 Regional Surplus/Deficit	2722	1074	1858	2394	2102	233	-2130	161	-56	1161	587	-1414	4341	3821	1173
1931 Regional Surplus/Deficit	3233	1576	1647	2422	2192	-1482	-2052	-1160	-328	952	-184	-2058	4233	3394	800
1932 Regional Surplus/Deficit	2187	1348	1899	1816	2050	-703	-1738	-1890	2582	7116	9143	8544	9773	6557	3232
1933 Regional Surplus/Deficit	2845	3306	2823	2535	2788	1469	6790	3445	1468	3212	4194	5272	10214	7801	4282
1934 Regional Surplus/Deficit	6501	5104	3553	4728	5813	10453	8532	8278	7167	8504	8743	8278	4351	4243	6652
1935 Regional Surplus/Deficit	1863	1153	1327	2321	2808	241	5652	7143	42	2047	4674	4195	8261	6479	3611
1936 Regional Surplus/Deficit	4821	1371	2185	2264	2111	538	-1464	-1205	-258	1506	7058	9435	8634	3608	2769
1937 Regional Surplus/Deficit	3253	1611	2003	2324	2073	532	-2706	-2019	-415	1017	20	-580	5646	3030	1070
1938 Regional Surplus/Deficit	2640	1054	1934	2716	2844	879	6181	1605	4615	5474	7955	10071	9901	6069	4615
1939 Regional Surplus/Deficit	2799	1347	2660	2625	2287	102	2431	-1013	1349	3269	4674	5790	4653	4414	2612
1940 Regional Surplus/Deficit	3710	1485	1802	2719	2131	555	1218	647	4914	3801	6715	3924	4769	3470	2834
1941 Regional Surplus/Deficit	1635	527	1464	2279	1735	300	1134	-763	-634	757	-594	659	4500	2761	1216
1942 Regional Surplus/Deficit	1549	1036	2503	2157	1326	3297	5037	1514	-1507	1640	3659	3823	9645	7533	3272
1943 Regional Surplus/Deficit	5300	3247	2075	2368	2656	778	5300	5735	6269	9736	9626	9792	10222	8186	5611
1944 Regional Surplus/Deficit	6099	2849	2423	2558	2400	1037	811	-1174	-1450	-12	-1104	-1681	2883	2633	1196
1945 Regional Surplus/Deficit	1678	832	1783	1771	1829	-816	-1881	-895	-640	115	38	4185	9479	4274	1702
1946 Regional Surplus/Deficit	3025	1486	1781	2317	2854	814	4296	2651	7267	7352	9164	10766	9694	7579	5044
1947 Regional Surplus/Deficit	5568	2782	3064	2332	2920	5967	7069	7345	7751	5354	6579	8510	9496	7207	5983
1948 Regional Surplus/Deficit	4145	1379	2787	7545	4558	3880	8437	2492	4024	4354	8647	10711	13729	7703	6261
1949 Regional Surplus/Deficit	6768	6166	3639	3245	2774	482	1756	1830	7936	5985	9353	10079	9576	3082	4878
1950 Regional Surplus/Deficit	2821	1081	1460	2654	3043	417	3762	7821	9682	8901	9122	8498	10237	7938	5540
1951 Regional Surplus/Deficit	6123	4499	3363	5094	5819	8279	8990	9481	7303	9330	9580	10504	9606	7695	7575
1952 Regional Surplus/Deficit	6487	3943	3310	6447	3197	3987	6707	4817	4043	8824	9575	10862	10242	5882	6159
1953 Regional Surplus/Deficit	4247	1315	2454	2373	2315	-615	2799	5833	1490	2000	4510	7704	10449	7988	4069
1954 Regional Surplus/Deficit	5771	3389	2935	3065	2989	3053	4610	7454	5110	7031	7005	9396	9663	7975	5654
1955 Regional Surplus/Deficit	8239	7858	7326	3493	3590	2726	1268	-372	-911	2160	3127	3382	9717	7887	4066
1956 Regional Surplus/Deficit	6826	5899	2419	4502	4810	7197	9205	5575	8944	9455	9580	10640	10628	7865	7305
1957 Regional Surplus/Deficit	6510	3910	3104	3884	2798	2387	4149	1398	4668	7903	7601	10882	10166	5416	5151
1958 Regional Surplus/Deficit	2738	1416	2401	2568	2402	848	2174	5025	4712	4481	7937	10323	9904	5177	4485
1959 Regional Surplus/Deficit	2630	2126	2654	2612	3719	5032	8376	7511	4812	6965	6327	7416	9660	7669	5707
1960 Regional Surplus/Deficit	6158	3351	7719	8477	6559	6020	7010	1221	4110	9419	9277	5790	9490	6393	6408
1961 Regional Surplus/Deficit	4597	1207	2723	2666	2967	1094	5035	6580	5522	6788	4843	7804	9359	5988	4871
1962 Regional Surplus/Deficit	3371	2407	2000	2705	2721	416	3945	1162	-14	8211	9684	7298	9095	6662	3986
1963 Regional Surplus/Deficit	4748	2610	2393	3712	3923	5229	6353	3376	635	2998	3023	6779	9889	6532	4626
1964 Regional Surplus/Deficit	5550	2716	3006	2347	3148	668	3511	878	-260	4525	5263	5583	10666	7847	3868
1965 Regional Surplus/Deficit	6769	5225	4082	4513	2989	6885	9151	9441	7660	6503	9730	9957	10223	6651	7139
1966 Regional Surplus/Deficit	6386	4260	3218	3670	2716	1771	6790	526	363	8901	5661	4892	7911	6895	4280
1967 Regional Surplus/Deficit	5884	2022	2205	2526	2745	1233	8415	8630	2742	4201	2703	6270	10436	7771	5031
1968 Regional Surplus/Deficit	6401	2674	3041	3428	2743	1164	5710	6503	4869	302	1609	4085	9593	7616	4520
1969 Regional Surplus/Deficit	6358	4655	5153	5132	4734	4218	8767	7568	3609	9456	9438	10874	9728	7114	6821
1970 Regional Surplus/Deficit	4323	1658	2740	2992	2755	415	4503	3469	1947	1770	3222	7191	10293	5790	3965
1971 Regional Surplus/Deficit	2731	870	2071	2639	3310	1024	7632	9277	6906	8023	9342	10594	10509	8262	6059
1972 Regional Surplus/Deficit	8216	6313	3614	3613	3187	1925	8734	9541	10076	9587	8411	10488	11524	7971	7245
1973 Regional Surplus/Deficit	8231	6867	4576	3427	2679	2956	6266	-919	-284	-362	795	983	4677	3630	2980
1974 Regional Surplus/Deficit	2404	820	814	2132	2046	4704	9428	9585	9922	9360	9518	10456	11519	8086	6645
1975 Regional Surplus/Deficit	7805	6602	3451	1841	2693	1032	6175	3455	5636	3085	4873	7924	10445	8373	5184
1976 Regional Surplus/Deficit	3876	3484	3496	4923	5386	9741	9148	7717	5251	9592	9318	10838	10136	7861	7303
1977 Regional Surplus/Deficit	8412	8439	8592	3003	2304	424	1213	-1319	-1586	-1177	-1968	-1160	1972	1665	1830
1978 Regional Surplus/Deficit	1795	856	1167	1208	1906	655	4342	3261	5285	7616	5385	7059	8345	7716	4064
-Ranked Averages-															
Top Ten Percent	6362	5084	3395	4529	4438	6805	9046	8351	7847	8893	9324	10485	10423	7609	7313
Middle Eighty Percent	4650	2777	2970	3116	2959	1953	4663	3473	3402	5025	5961	7086	9077	6355	4522
Bottom Ten Percent	3388	1527	1879	2395	2101	124	-989	-991	-577	775	-255	-1015	4321	3128	1091

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5818	713	2288	1996	2456	-904	-305	-2079	-544	94	116	-1273	5506	3447	1163
1930 Regional Surplus/Deficit	2519	869	1683	2193	1931	-13	-2401	-416	-678	1116	348	-1880	3111	3524	790
1931 Regional Surplus/Deficit	3031	1372	1472	2221	2021	-1728	-2322	-1740	-951	909	-423	-2524	3002	3097	416
1932 Regional Surplus/Deficit	1985	1143	1725	1615	1879	-948	-2009	-2470	1963	7080	8918	8092	8551	6261	2852
1933 Regional Surplus/Deficit	2643	3103	2649	2334	2616	1225	6532	2876	846	3172	3961	4820	8993	7507	3903
1934 Regional Surplus/Deficit	6300	4902	3381	4530	5647	10216	8275	7713	6554	8471	8519	7826	3120	3947	6275
1935 Regional Surplus/Deficit	1660	947	1152	2120	2635	-4.1	5394	6577	-582	2004	4443	3739	7037	6183	3232
1936 Regional Surplus/Deficit	4620	1168	2011	2063	1940	292	-1733	-1784	-879	1463	6827	8983	7409	3312	2388
1937 Regional Surplus/Deficit	3051	1407	1828	2123	1902	286	-2975	-2598	-1038	972	-219	-1046	4415	2733	686
1938 Regional Surplus/Deficit	2438	849	1759	2516	2672	632	5923	1031	4000	5437	7728	9619	8678	5773	4236
1939 Regional Surplus/Deficit	2596	1142	2487	2424	2115	-145	2168	-1592	727	3226	4438	5337	3423	4118	2230
1940 Regional Surplus/Deficit	3509	1282	1628	2518	1960	309	953	70	4298	3761	6484	3467	3542	3174	2453
1941 Regional Surplus/Deficit	1432	322	1289	2078	1564	56	870	-1343	-1256	711	-833	197	3273	2463	834
1942 Regional Surplus/Deficit	1347	832	2329	1956	1154	3056	4780	936	-2130	1596	3424	3366	8424	7238	2892
1943 Regional Surplus/Deficit	5098	3045	1901	2167	2483	533	5041	5164	5654	9701	9400	9340	9000	7890	5233
1944 Regional Surplus/Deficit	5897	2646	2249	2357	2229	790	548	-1753	-2074	-57	-1343	-2147	1652	2335	813
1945 Regional Surplus/Deficit	1475	626	1609	1570	1657	-1062	-2151	-1474	-1263	70	-201	3727	8257	3978	1319
1946 Regional Surplus/Deficit	2822	1283	1606	2117	2682	567	4033	2079	6653	7316	8939	10314	8472	7283	4666
1947 Regional Surplus/Deficit	5367	2579	2890	2131	2747	5728	6811	6776	7137	5315	6352	8057	8274	6911	5606
1948 Regional Surplus/Deficit	3943	1176	2613	7348	4389	3639	8179	1917	3406	4316	8422	10259	12507	7408	5883
1949 Regional Surplus/Deficit	6566	5964	3468	3045	2602	237	1494	1256	7322	5947	9128	9626	8354	2785	4499
1950 Regional Surplus/Deficit	2618	875	1285	2453	2871	170	3501	7255	9069	8865	8897	8047	9016	7643	5161
1951 Regional Surplus/Deficit	5921	4297	3190	4896	5651	8041	8733	8915	6689	9294	9355	10052	8384	7400	7199
1952 Regional Surplus/Deficit	6286	3741	3138	6250	3026	3746	6449	4246	3428	8788	9349	10411	9020	5586	5782
1953 Regional Surplus/Deficit	4046	1112	2279	2171	2144	-861	2534	5265	868	1956	4277	7252	9229	7693	3689
1954 Regional Surplus/Deficit	5570	3186	2762	2865	2818	2811	4350	6887	4493	6995	6778	8945	8442	7681	5276
1955 Regional Surplus/Deficit	8039	7656	7158	3295	3421	2484	1002	-951	-1535	2117	2888	2924	8496	7593	3686
1956 Regional Surplus/Deficit	6624	5698	2245	4303	4641	6958	8948	5005	8331	9420	9356	10188	9407	7571	6929
1957 Regional Surplus/Deficit	6308	3708	2931	3684	2626	2145	3889	821	4049	7868	7374	10430	8946	5120	4772
1958 Regional Surplus/Deficit	2536	1211	2226	2368	2230	601	1912	4454	4095	4441	7711	9871	8683	4881	4106
1959 Regional Surplus/Deficit	2427	1923	2480	2411	3548	4792	8119	6945	4196	6929	6099	6964	8440	7375	5330
1960 Regional Surplus/Deficit	5957	3149	7550	8281	6394	5782	6753	647	3492	9385	9052	5337	8269	6097	6031
1961 Regional Surplus/Deficit	4396	1003	2549	2465	2795	849	4775	6011	4907	6753	4617	7352	8139	5692	4493
1962 Regional Surplus/Deficit	3169	2205	1825	2504	2549	169	3685	584	-637	8176	9459	6846	7871	6367	3606
1963 Regional Surplus/Deficit	4547	2408	2218	3513	3753	4989	6093	2802	16	2956	2787	6327	8667	6236	4247
1964 Regional Surplus/Deficit	5349	2513	2833	2146	2976	423	3251	302	-883	4486	5032	5130	9445	7553	3489
1965 Regional Surplus/Deficit	6568	5023	3910	4315	2818	6646	8894	8875	7046	6466	9504	9505	9001	6355	6762
1966 Regional Surplus/Deficit	6184	4058	3045	3470	2545	1529	6532	-50	-259	8865	5428	4439	6685	6600	3900
1967 Regional Surplus/Deficit	5683	1820	2030	2325	2573	988	8157	8064	2123	4166	2472	5816	9216	7477	4653
1968 Regional Surplus/Deficit	6200	2472	2868	3228	2572	921	5452	5933	4253	256	1375	3628	8371	7321	4142
1969 Regional Surplus/Deficit	6157	4453	4984	4934	4565	3978	8509	7002	2993	9422	9213	10423	8507	6819	6445
1970 Regional Surplus/Deficit	4122	1454	2565	2791	2584	170	4243	2899	1326	1726	2990	6737	9071	5493	3585
1971 Regional Surplus/Deficit	2529	665	1895	2438	3138	777	7374	8711	6292	7987	9116	10142	9288	7967	5681
1972 Regional Surplus/Deficit	8014	6112	3441	3412	3015	1682	8476	8975	9464	9553	8185	10037	10303	7677	6868
1973 Regional Surplus/Deficit	8030	6666	4404	3227	2507	2714	6008	-1498	-907	-409	557	520	3448	3333	2598
1974 Regional Surplus/Deficit	2202	614	638	1930	1873	4464	9170	9020	9308	9325	9293	10004	10298	7792	6268
1975 Regional Surplus/Deficit	7604	6401	3279	1640	2521	786	5916	2884	5022	3047	4644	7472	9223	8079	4806
1976 Regional Surplus/Deficit	3674	3281	3323	4724	5218	9503	8891	7151	4635	9557	9092	10386	8914	7567	6926
1977 Regional Surplus/Deficit	8211	8238	8424	2803	2133	178	950	-1899	-2211	-1224	-2207	-1624	739	1366	1447
1978 Regional Surplus/Deficit	1593	650	992	1006	1733	409	4080	2685	4671	7579	5158	6607	7122	7420	3685
-Ranked Averages-															
Top Ten Percent	6160	4882	3222	4330	4268	6566	8788	7784	7233	8858	9098	10034	9202	7314	6937
Middle Eighty Percent	4449	2573	2796	2916	2788	1710	4402	2900	2783	4986	5731	6632	7854	6060	4143
Bottom Ten Percent	3186	1323	1704	2194	1929	-122	-1256	-1570	-1199	730	-494	-1480	3090	2830	708

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5541	433	2016	1679	2118	-1279	-679	-2374	-752	73	268	-708	6302	3191	1056
1930 Regional Surplus/Deficit	2240	589	1411	1877	1594	-389	-2781	-709	-887	1096	500	-1315	3908	3269	683
1931 Regional Surplus/Deficit	2752	1093	1200	1905	1684	-2103	-2702	-2035	-1160	891	-271	-1958	3797	2840	308
1932 Regional Surplus/Deficit	1707	864	1453	1300	1542	-1324	-2388	-2766	1757	7069	9084	8672	9357	6007	2748
1933 Regional Surplus/Deficit	2366	2826	2378	2019	2278	852	6165	2593	636	3156	4120	5399	9799	7254	3801
1934 Regional Surplus/Deficit	6022	4626	3112	4217	5314	9849	7909	7433	6354	8461	8686	8407	3916	3693	6175
1935 Regional Surplus/Deficit	1382	666	881	1804	2297	-379	5026	6295	-792	1985	4604	4315	7840	5929	3128
1936 Regional Surplus/Deficit	4342	889	1740	1747	1603	-83	-2111	-2079	-1088	1443	6986	9563	8212	3057	2282
1937 Regional Surplus/Deficit	2773	1127	1556	1807	1565	-89	-3354	-2893	-1246	951	-66	-479	5210	2477	579
1938 Regional Surplus/Deficit	2160	569	1487	2201	2334	257	5557	740	3797	5425	7891	10199	9483	5518	4133
1939 Regional Surplus/Deficit	2317	862	2216	2109	1778	-520	1796	-1887	520	3208	4594	5916	4220	3863	2125
1940 Regional Surplus/Deficit	3231	1003	1356	2203	1623	-66	579	-223	4096	3745	6643	4042	4341	2918	2348
1941 Regional Surplus/Deficit	1154	42	1017	1763	1226	-318	498	-1638	-1465	690	-680	766	4072	2207	728
1942 Regional Surplus/Deficit	1068	552	2058	1641	816	2686	4413	644	-2340	1576	3581	3940	9229	6984	2788
1943 Regional Surplus/Deficit	4821	2767	1630	1851	2145	158	4673	4878	5453	9691	9565	9920	9805	7635	5131
1944 Regional Surplus/Deficit	5619	2369	1977	2041	1891	414	175	-2048	-2283	-79	-1191	-1582	2447	2077	706
1945 Regional Surplus/Deficit	1197	344	1337	1253	1320	-1437	-2531	-1768	-1472	49	-49	4301	9061	3722	1213
1946 Regional Surplus/Deficit	2544	1005	1333	1801	2345	190	3662	1792	6452	7304	9104	10894	9278	7029	4563
1947 Regional Surplus/Deficit	5089	2302	2620	1815	2409	5359	6444	6492	6937	5300	6515	8637	9079	6657	5504
1948 Regional Surplus/Deficit	3666	898	2342	7037	4055	3268	7811	1626	3202	4302	8587	10839	13311	7154	5781
1949 Regional Surplus/Deficit	6288	5688	3200	2730	2265	-137	1123	966	7121	5933	9294	10206	9159	2528	4397
1950 Regional Surplus/Deficit	2340	594	1012	2137	2533	-207	3130	6973	8870	8854	9062	8626	9822	7389	5059
1951 Regional Surplus/Deficit	5643	4020	2920	4582	5318	7673	8367	8634	6488	9282	9521	10632	9188	7146	7099
1952 Regional Surplus/Deficit	6008	3464	2869	5938	2689	3376	6082	3959	3226	8776	9514	10991	9824	5330	5680
1953 Regional Surplus/Deficit	3768	833	2008	1855	1807	-1237	2160	4982	660	1937	4435	7831	10035	7439	3586
1954 Regional Surplus/Deficit	5292	2909	2491	2549	2480	2438	3981	6604	4290	6984	6941	9525	9248	7427	5175
1955 Regional Surplus/Deficit	7762	7380	6892	2981	3086	2112	628	-1245	-1745	2097	3041	3499	9302	7340	3583
1956 Regional Surplus/Deficit	6347	5421	1974	3989	4307	6590	8582	4719	8130	9409	9522	10768	10213	7317	6828
1957 Regional Surplus/Deficit	6031	3430	2660	3370	2288	1773	3520	529	3843	7857	7538	11010	9752	4865	4670
1958 Regional Surplus/Deficit	2258	931	1955	2052	1892	225	1541	4168	3893	4425	7875	10450	9489	4625	4003
1959 Regional Surplus/Deficit	2149	1645	2209	2095	3212	4422	7753	6663	3993	6918	6262	7544	9246	7121	5229
1960 Regional Surplus/Deficit	5679	2871	7284	7969	6062	5414	6386	356	3287	9375	9218	5916	9074	5843	5930
1961 Regional Surplus/Deficit	4119	724	2278	2150	2458	475	4406	5727	4705	6742	4781	7932	8945	5437	4391
1962 Regional Surplus/Deficit	2891	1927	1553	2189	2211	-208	3316	291	-846	8166	9624	7425	8674	6112	3502
1963 Regional Surplus/Deficit	4269	2130	1947	3198	3417	4619	5725	2513	-189	2937	2943	6905	9471	5982	4144
1964 Regional Surplus/Deficit	5072	2235	2563	1829	2638	47	2881	12	-1092	4472	5193	5708	10251	7300	3385
1965 Regional Surplus/Deficit	6291	4746	3641	4003	2481	6278	8528	8592	6845	6454	9669	10085	9806	6100	6662
1966 Regional Surplus/Deficit	5907	3781	2774	3155	2208	1157	6165	-342	-467	8853	5586	5017	7486	6346	3797
1967 Regional Surplus/Deficit	5406	1542	1758	2009	2235	614	7790	7783	1917	4154	2632	6395	10022	7224	4551
1968 Regional Surplus/Deficit	5923	2195	2598	2913	2235	549	5084	5648	4051	234	1531	4203	9177	7068	4039
1969 Regional Surplus/Deficit	5880	4176	4717	4622	4230	3607	8143	6719	2791	9412	9379	11003	9313	6564	6344
1970 Regional Surplus/Deficit	3845	1175	2294	2476	2247	-205	3874	2613	1118	1706	3149	7315	9876	5237	3482
1971 Regional Surplus/Deficit	2250	386	1623	2122	2801	401	7007	8430	6090	7975	9282	10722	10094	7713	5579
1972 Regional Surplus/Deficit	7737	5835	3171	3096	2677	1310	8109	8694	9264	9543	8350	10617	11108	7424	6767
1973 Regional Surplus/Deficit	7753	6389	4135	2911	2170	2342	5641	-1793	-1116	-432	709	1088	4246	3078	2493
1974 Regional Surplus/Deficit	1923	332	365	1614	1533	4095	8804	8740	9108	9315	9460	10584	11104	7539	6167
1975 Regional Surplus/Deficit	7327	6124	3010	1323	2183	411	5548	2596	4821	3033	4805	8051	10028	7826	4704
1976 Regional Surplus/Deficit	3395	3002	3052	4410	4884	9135	8524	6870	4432	9546	9257	10966	9718	7314	6825
1977 Regional Surplus/Deficit	7935	7962	8159	2488	1795	-198	578	-2194	-2422	-1247	-2055	-1056	1533	1107	1341
1978 Regional Surplus/Deficit	1315	368	720	689	1395	33	3710	2395	4471	7567	5322	7186	7926	7166	3581
-Ranked Averages-															
Top Ten Percent	5883	4605	2952	4016	3933	6197	8422	7502	7032	8847	9264	10614	10007	7060	6836
Middle Eighty Percent	4171	2295	2526	2601	2451	1336	4033	2612	2578	4971	5893	7210	8658	5805	4040
Bottom Ten Percent	2908	1044	1432	1879	1592	-497	-1633	-1865	-1408	710	-342	-914	3887	2574	601

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5287	184	1767	1433	1837	-1585	-956	-2620	-963	-856	-704	-2207	4821	2953	536
1930 Regional Surplus/Deficit	1987	338	1162	1632	1314	-695	-3063	-952	-1098	167	-472	-2814	2426	3031	163
1931 Regional Surplus/Deficit	2499	843	952	1660	1403	-2409	-2985	-2281	-1372	-36	-1243	-3457	2314	2601	-212
1932 Regional Surplus/Deficit	1454	613	1205	1054	1261	-1629	-2670	-3012	1549	6147	8123	7183	7882	5768	2230
1933 Regional Surplus/Deficit	2113	2577	2131	1773	1996	548	5893	2355	425	2231	3153	3910	8325	7015	3284
1934 Regional Surplus/Deficit	5769	4377	2866	3975	5038	9550	7636	7198	6150	7540	7724	6918	2433	3454	5660
1935 Regional Surplus/Deficit	1129	415	632	1558	2015	-684	4753	6060	-1004	1058	3638	2823	6364	5691	2611
1936 Regional Surplus/Deficit	4089	640	1492	1502	1322	-389	-2392	-2325	-1298	515	6021	8074	6735	2818	1764
1937 Regional Surplus/Deficit	2520	877	1308	1562	1285	-395	-3636	-3138	-1457	22	-1038	-1978	3728	2239	59
1938 Regional Surplus/Deficit	1907	318	1239	1956	2053	-49	5284	498	3592	4504	6928	8710	8008	5280	3617
1939 Regional Surplus/Deficit	2064	612	1969	1864	1497	-827	1519	-2133	310	2282	3624	4426	2738	3624	1607
1940 Regional Surplus/Deficit	2978	753	1108	1958	1342	-372	301	-466	3890	2821	5677	2550	2862	2680	1831
1941 Regional Surplus/Deficit	901	-208	769	1518	945	-623	221	-1883	-1675	-240	-1652	-730	2593	1968	209
1942 Regional Surplus/Deficit	815	302	1811	1396	535	2384	4140	400	-2552	649	2613	2448	7755	6746	2271
1943 Regional Surplus/Deficit	4568	2519	1382	1606	1864	-147	4400	4641	5249	8770	8603	8432	8331	7396	4615
1944 Regional Surplus/Deficit	5366	2120	1730	1796	1610	109	-101	-2294	-2495	-1008	-2163	-3081	964	1838	186
1945 Regional Surplus/Deficit	944	93	1089	1008	1039	-1743	-2813	-2013	-1684	-879	-1021	2808	7587	3484	694
1946 Regional Surplus/Deficit	2290	756	1085	1556	2064	-116	3386	1552	6248	6383	8143	9406	7803	6791	4047
1947 Regional Surplus/Deficit	4836	2053	2373	1570	2128	5060	6171	6255	6733	4377	5553	7148	7605	6419	4989
1948 Regional Surplus/Deficit	3413	649	2094	6794	3776	2966	7539	1384	2995	3380	7625	9351	11836	6916	5265
1949 Regional Surplus/Deficit	6035	5439	2955	2486	1984	-442	847	725	6917	5011	8332	8717	7684	2290	3881
1950 Regional Surplus/Deficit	2086	343	763	1892	2252	-513	2855	6737	8666	7933	8101	7138	8348	7151	4543
1951 Regional Surplus/Deficit	5390	3771	2674	4339	5041	7374	8095	8399	6284	8361	8560	9143	7714	6908	6584
1952 Regional Surplus/Deficit	5755	3215	2622	5696	2408	3075	5810	3721	3020	7855	8552	9502	8350	5092	5165
1953 Regional Surplus/Deficit	3515	584	1760	1610	1526	-1543	1883	4746	450	1009	3468	6343	8561	7201	3069
1954 Regional Surplus/Deficit	5039	2660	2244	2305	2200	2135	3707	6368	4084	6062	5979	8036	7774	7189	4659
1955 Regional Surplus/Deficit	7509	7131	6648	2737	2807	1809	349	-1490	-1957	1170	2069	2006	7828	7102	3065
1956 Regional Surplus/Deficit	6094	5172	1727	3745	4028	6290	8309	4481	7926	8487	8560	9279	8738	7079	6313
1957 Regional Surplus/Deficit	5778	3182	2413	3125	2007	1471	3246	285	3636	6936	6577	9521	8277	4627	4154
1958 Regional Surplus/Deficit	2004	680	1707	1807	1612	-81	1265	3929	3687	3502	6914	8961	8015	4387	3486
1959 Regional Surplus/Deficit	1896	1396	1961	1850	2932	4122	7480	6427	3786	5996	5299	6055	7772	6883	4714
1960 Regional Surplus/Deficit	5426	2622	7040	7727	5787	5115	6113	114	3080	8454	8256	4427	7599	5605	5416
1961 Regional Surplus/Deficit	3866	474	2031	1905	2177	170	4132	5489	4500	5821	3819	6443	7470	5199	3876
1962 Regional Surplus/Deficit	2638	1678	1305	1943	1930	-515	3041	48	-1057	7244	8663	5936	7199	5874	2985
1963 Regional Surplus/Deficit	4016	1881	1699	2954	3138	4319	5451	2273	-398	2010	1973	5416	7996	5743	3628
1964 Regional Surplus/Deficit	4819	1986	2316	1583	2357	-258	2606	-231	-1303	3550	4228	4220	8777	7061	2868
1965 Regional Surplus/Deficit	6038	4497	3396	3760	2200	5979	8256	8357	6641	5533	8708	8596	8332	5862	6147
1966 Regional Surplus/Deficit	5654	3532	2527	2911	1927	854	5892	-585	-678	7932	4618	3527	6008	6108	3280
1967 Regional Surplus/Deficit	5153	1293	1510	1763	1954	309	7518	7548	1708	3233	1665	4906	8547	6986	4035
1968 Regional Surplus/Deficit	5670	1946	2351	2668	1954	246	4812	5411	3845	-695	562	2711	7702	6830	3523
1969 Regional Surplus/Deficit	5627	3927	4473	4379	3951	3306	7870	6484	2586	8491	8418	9514	7838	6326	5830
1970 Regional Surplus/Deficit	3591	925	2046	2230	1966	-510	3601	2375	908	778	2182	5826	8401	4999	2965
1971 Regional Surplus/Deficit	1997	135	1374	1877	2520	95	6734	8194	5886	7053	8320	9233	8620	7475	5064
1972 Regional Surplus/Deficit	7484	5586	2924	2851	2395	1006	7837	8459	9060	8622	7388	9128	9633	7186	6252
1973 Regional Surplus/Deficit	7500	6140	3889	2666	1889	2040	5368	-2038	-1327	-1362	-262	-409	2766	2839	1974
1974 Regional Surplus/Deficit	1670	81	116	1368	1251	3795	8532	8504	8904	8393	8498	9095	9629	7301	5651
1975 Regional Surplus/Deficit	7074	5875	2764	1077	1902	106	5275	2357	4617	2110	3840	6562	8554	7587	4188
1976 Regional Surplus/Deficit	3142	2753	2805	4167	4606	8835	8252	6634	4227	8624	8295	9477	8243	7076	6311
1977 Regional Surplus/Deficit	7682	7713	7914	2243	1514	-503	301	-2440	-2635	-2177	-3027	-2554	49	867	821
1978 Regional Surplus/Deficit	1062	117	471	443	1114	-272	3436	2153	4267	6646	4360	5698	6452	6928	3065
-Ranked Averages-															
Top Ten Percent	5629	4356	2705	3772	3654	5897	8150	7266	6828	7926	8302	9125	8532	6822	6321
Middle Eighty Percent	3918	2045	2279	2356	2171	1032	3758	2372	2371	4047	4928	5720	7183	5567	3523
Bottom Ten Percent	2655	794	1184	1633	1311	-802	-1913	-2110	-1619	-219	-1314	-2412	2405	2335	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Regional Surplus/Deficit	5039	-66	1528	1189	1574	-1880	-1306	-2629	-1286	-910	-742	-1387	5516	2684	472
1930 Regional Surplus/Deficit	1739	88	923	1388	1050	-990	-3418	-959	-1421	114	-510	-1995	3120	2762	98
1931 Regional Surplus/Deficit	2251	594	713	1416	1139	-2703	-3340	-2291	-1696	-86	-1281	-2637	3007	2332	-277
1932 Regional Surplus/Deficit	1206	363	966	810	997	-1924	-3025	-3022	1229	6102	8095	8013	8585	5499	2168
1933 Regional Surplus/Deficit	1865	2329	1893	1529	1732	256	5547	2354	102	2182	3119	4740	9027	6746	3223
1934 Regional Surplus/Deficit	5521	4129	2630	3733	4778	9261	7291	7198	5833	7494	7696	7748	3128	3185	5600
1935 Regional Surplus/Deficit	880	165	394	1314	1751	-978	4407	6061	-1329	1007	3606	3651	7065	5421	2549
1936 Regional Surplus/Deficit	3841	392	1254	1258	1058	-684	-2746	-2335	-1620	464	5990	8904	7435	2549	1701
1937 Regional Surplus/Deficit	2272	628	1070	1318	1021	-689	-3990	-3148	-1780	-30	-1077	-1158	4423	1970	-5.6
1938 Regional Surplus/Deficit	1659	68	1000	1712	1788	-344	4939	492	3274	4459	6899	9540	8711	5010	3555
1939 Regional Surplus/Deficit	1816	362	1731	1621	1233	-1122	1169	-2142	-12	2231	3588	5256	3433	3355	1543
1940 Regional Surplus/Deficit	2730	504	869	1714	1078	-666	-50	-474	3573	2773	5645	3377	3559	2410	1768
1941 Regional Surplus/Deficit	652	-458	530	1274	681	-916	-128	-1893	-1998	-293	-1691	92	3291	1699	145
1942 Regional Surplus/Deficit	567	53	1574	1152	271	2094	3795	393	-2876	598	2579	3275	8457	6477	2209
1943 Regional Surplus/Deficit	4320	2270	1145	1362	1600	-440	4055	4639	4933	8724	8575	9262	9033	7127	4555
1944 Regional Surplus/Deficit	5118	1871	1492	1552	1347	-186	-451	-2304	-2820	-1061	-2201	-2262	1658	1568	122
1945 Regional Surplus/Deficit	696	-158	850	763	775	-2037	-3168	-2022	-2007	-932	-1059	3635	8289	3215	630
1946 Regional Surplus/Deficit	2042	508	846	1312	1800	-411	3037	1548	5932	6338	8114	10236	8506	6521	3986
1947 Regional Surplus/Deficit	4588	1805	2136	1326	1864	4771	5826	6255	6417	4330	5523	7978	8307	6149	4929
1948 Regional Surplus/Deficit	3165	401	1857	6553	3515	2676	7193	1379	2676	3333	7597	10180	12537	6647	5205
1949 Regional Surplus/Deficit	5787	5191	2720	2243	1720	-736	498	720	6601	4965	8304	9547	8387	2021	3820
1950 Regional Surplus/Deficit	1838	92	524	1648	1988	-808	2507	6738	8350	7887	8072	7967	9050	6882	4483
1951 Regional Surplus/Deficit	5142	3523	2437	4097	4780	7085	7749	8400	5968	8316	8532	9973	8416	6639	6525
1952 Regional Surplus/Deficit	5507	2967	2386	5455	2145	2785	5464	3718	2702	7810	8524	10332	9052	4823	5105
1953 Regional Surplus/Deficit	3267	336	1521	1366	1263	-1838	1533	4746	127	957	3435	7173	9263	6932	3007
1954 Regional Surplus/Deficit	4791	2412	2006	2061	1936	1844	3361	6369	3765	6017	5951	8866	8476	6920	4599
1955 Regional Surplus/Deficit	7261	6883	6414	2495	2545	1517	-2	-1500	-2281	1119	2031	2833	8530	6833	3003
1956 Regional Surplus/Deficit	5846	4924	1489	3503	3767	6002	7964	4479	7610	8442	8532	10109	9441	6809	6254
1957 Regional Surplus/Deficit	5530	2933	2176	2883	1743	1180	2899	278	3316	6890	6549	10351	8980	4357	4093
1958 Regional Surplus/Deficit	1756	431	1469	1563	1348	-376	917	3927	3368	3454	6886	9791	8717	4118	3425
1959 Regional Surplus/Deficit	1648	1147	1722	1606	2670	3833	7135	6428	3468	5951	5269	6885	8474	6614	4654
1960 Regional Surplus/Deficit	5178	2374	6806	7486	5528	4826	5768	109	2761	8409	8228	5257	8302	5335	5356
1961 Regional Surplus/Deficit	3618	225	1793	1661	1914	-124	3785	5488	4183	5775	3790	7273	8172	4930	3815
1962 Regional Surplus/Deficit	2390	1430	1066	1699	1666	-811	2694	40	-1380	7199	8635	6766	7900	5605	2923
1963 Regional Surplus/Deficit	3768	1633	1460	2712	2875	4029	5104	2269	-718	1959	1936	6246	8699	5474	3567
1964 Regional Surplus/Deficit	4571	1738	2078	1339	2093	-553	2258	-237	-1626	3504	4196	5050	9479	6792	2806
1965 Regional Surplus/Deficit	5789	4249	3159	3518	1936	5690	7910	8358	6325	5488	8680	9426	9034	5592	6088
1966 Regional Surplus/Deficit	5406	3284	2290	2668	1664	563	5546	-593	-1001	7887	4583	4356	6706	5838	3218
1967 Regional Surplus/Deficit	4905	1045	1271	1519	1691	15	7172	7549	1387	3188	1631	5736	9249	6717	3974
1968 Regional Surplus/Deficit	5422	1697	2114	2425	1691	-45	4466	5409	3527	-748	526	3538	8405	6561	3462
1969 Regional Surplus/Deficit	5379	3679	4238	4138	3690	3015	7525	6485	2268	8446	8390	10344	8540	6057	5771
1970 Regional Surplus/Deficit	3343	676	1807	1987	1702	-804	3254	2373	586	726	2148	6656	9104	4730	2904
1971 Regional Surplus/Deficit	1749	-114	1136	1633	2256	-199	6389	8195	5570	7008	8292	10063	9322	7206	5003
1972 Regional Surplus/Deficit	7236	5338	2686	2607	2131	714	7491	8459	8744	8577	7360	9958	10335	6917	6192
1973 Regional Surplus/Deficit	7252	5892	3652	2423	1625	1748	5023	-2047	-1651	-1417	-301	413	3462	2570	1911
1974 Regional Surplus/Deficit	1422	-170	-124	1124	986	3505	8186	8505	8588	8348	8470	9925	10330	7032	5591
1975 Regional Surplus/Deficit	6826	5627	2528	833	1638	-188	4929	2353	4300	2064	3809	7392	9256	7318	4127
1976 Regional Surplus/Deficit	2894	2505	2568	3924	4346	8547	7906	6635	3909	8579	8267	10307	8946	6807	6252
1977 Regional Surplus/Deficit	7434	7465	7680	2000	1251	-798	-49	-2450	-2960	-2231	-3066	-1733	742	595	757
1978 Regional Surplus/Deficit	814	-134	232	198	850	-565	3088	2148	3951	6601	4331	6528	7154	6658	3004
-Ranked Averages-															
Top Ten Percent	5381	4108	2468	3530	3392	5608	7804	7266	6511	7880	8274	9955	9234	6553	6262
Middle Eighty Percent	3670	1797	2041	2113	1907	740	3410	2368	2051	3999	4896	6549	7884	5298	3462
Bottom Ten Percent	2407	545	945	1390	1048	-1097	-2266	-2119	-1943	-271	-1352	-1592	3100	2066	16

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Section 8

Monthly OY 2007 – 2016

Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro	A-3
Independent Hydro	A-4
Imports	A-5
Small Thermal & Miscellaneous	A-6
Combustion Turbines	A-7
Renewable Resources	A-8
Cogeneration	A-9
Large Thermal	A-10
Restoration	A-11 ¹
Canadian Entitlement Return For CSPE	A-12 ²
Columbia Storage Power Exchange Purchase (CSPE)	A-13 ²
Supplemental & Entitlement Capacity	A-14 ²
Canadian Entitlement Return For Canada	A-15
Intra-Regional Transfers	A-16
Capacity Reserves	A-17 ³
Wells & Chelan Allocation	A-18
Rocky Reach & Rock Island Allocation	A-19
Wanapum & Priest Rapids Allocation	A-20
Swift #1 & Swift #2 Allocation	A-21
BPA Power Sales Contracts	A-22
Non Utility Generating Resources By Owner	A-23
Regional Non-Utility Generating Resources By Project	A-24
Dedicated Resources	A-25
Other Dedicated Resources	A-26

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

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

³ Capacity Reserves are not applicable to energy.

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Table A-1
Total Retail Loads
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	127	127	116	125	139	150	152	147	135	125	125	121	123	132	133
2 Total Federal Entities	127	127	116	125	139	150	152	147	135	125	125	121	123	132	133
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
6 Total Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4396	4396	4434	4692	5398	5795	5960	5651	5325	5021	5008	4709	4505	4529	5034
8 Total Generating Public Entities	4396	4396	4434	4692	5398	5795	5960	5651	5325	5021	5008	4709	4505	4529	5034
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3446	3446	3159	3213	3608	4007	4051	3889	3515	3342	3334	3371	3511	3666	3564
10 Total Non-Generating Public Entities	3446	3446	3159	3213	3608	4007	4051	3889	3515	3342	3334	3371	3511	3666	3564
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	10987	10976	10113	10162	10971	12177	12408	11882	10996	10194	10168	10011	10545	11154	10965
12 Total Investor-Owned Entities	10987	10976	10113	10162	10971	12177	12408	11882	10996	10194	10168	10011	10545	11154	10965
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
14 Total Other Firm Loads	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	379	386	335	219	153	181	223	226	186	331	367	411	409	442	293
16 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
17 Public Entities	7842	7842	7593	7905	9006	9802	10011	9540	8840	8364	8342	8080	8015	8195	8598
18 Investor-Owned Entities	10987	10976	10113	10162	10971	12177	12408	11882	10996	10194	10168	10011	10545	11154	10965
19 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
20 Total Regional Firm Loads	19816	19812	18638	19094	20945	22982	23469	22468	20840	19694	19683	19308	19784	20617	20637
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	379	386	335	219	153	181	223	226	186	331	367	411	409	442	293
30 Direct Service Industry	296	296	296	508	508	508	508	508	508	508	508	508	508	508	473
31 Public Entities	7842	7842	7593	7905	9006	9802	10011	9540	8840	8364	8342	8080	8015	8195	8598
32 Investor-Owned Entities	10987	10976	10127	10162	10971	12177	12412	11905	11050	10227	10202	10011	10545	11154	10976
33 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
34 Total Regional Loads	19816	19812	18653	19094	20945	22982	23472	22491	20895	19728	19717	19308	19784	20617	20648

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	134	134	122	130	145	156	159	153	141	130	130	126	128	138	138
2 Total Federal Entities	134	134	122	130	145	156	159	153	141	130	130	126	128	138	138
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
6 Total Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4512	4512	4542	4768	5484	5885	6037	5681	5393	5090	5077	4774	4565	4594	5110
8 Total Generating Public Entities	4512	4512	4542	4768	5484	5885	6037	5681	5393	5090	5077	4774	4565	4594	5110
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3515	3515	3215	3300	3683	4086	4128	3919	3584	3409	3401	3434	3576	3738	3632
10 Total Non-Generating Public Entities	3515	3515	3215	3300	3683	4086	4128	3919	3584	3409	3401	3434	3576	3738	3632
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11145	11134	10268	10333	11137	12335	12591	12035	11121	10342	10316	10150	10711	11343	11124
12 Total Investor-Owned Entities	11145	11134	10268	10333	11137	12335	12591	12035	11121	10342	10316	10150	10711	11343	11124
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
14 Total Other Firm Loads	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	386	393	341	225	159	188	229	232	191	336	372	416	414	448	299
16 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
17 Public Entities	8027	8027	7757	8068	9167	9972	10166	9600	8977	8500	8478	8207	8141	8331	8742
18 Investor-Owned Entities	11145	11134	10268	10333	11137	12335	12591	12035	11121	10342	10316	10150	10711	11343	11124
19 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
20 Total Regional Firm Loads	20378	20374	19176	19534	21378	23417	23912	22788	21209	20084	20073	19679	20180	21048	21065
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	386	393	341	225	159	188	229	232	191	336	372	416	414	448	299
30 Direct Service Industry	508	508	508	608	608	608	608	608	608	608	608	608	608	608	591
31 Public Entities	8027	8027	7757	8068	9167	9972	10166	9600	8977	8500	8478	8207	8141	8331	8742
32 Investor-Owned Entities	11145	11134	10283	10333	11137	12335	12594	12058	11175	10376	10350	10150	10711	11343	11135
33 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
34 Total Regional Loads	20378	20374	19191	19534	21378	23417	23916	22811	21263	20118	20106	19679	20180	21048	21075

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	139	139	127	140	156	169	172	166	152	140	139	135	137	147	148
2 Total Federal Entities	139	139	127	140	156	169	172	166	152	140	139	135	137	147	148
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4566	4566	4599	4824	5547	5955	6112	5786	5460	5153	5140	4831	4624	4654	5175
8 Total Generating Public Entities	4566	4566	4599	4824	5547	5955	6112	5786	5460	5153	5140	4831	4624	4654	5175
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3580	3580	3280	3337	3719	4129	4182	4011	3630	3455	3447	3476	3621	3789	3684
10 Total Non-Generating Public Entities	3580	3580	3280	3337	3719	4129	4182	4011	3630	3455	3447	3476	3621	3789	3684
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11292	11281	10442	10488	11277	12512	12755	12197	11291	10498	10472	10289	10893	11527	11287
12 Total Investor-Owned Entities	11292	11281	10442	10488	11277	12512	12755	12197	11291	10498	10472	10289	10893	11527	11287
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
14 Total Other Firm Loads	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	391	398	346	234	171	200	242	245	202	346	382	425	423	458	309
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8146	8146	7879	8161	9265	10085	10294	9797	9090	8607	8586	8307	8245	8443	8859
18 Investor-Owned Entities	11292	11281	10442	10488	11277	12512	12755	12197	11291	10498	10472	10289	10893	11527	11287
19 Other Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
20 Total Regional Firm Loads	20749	20746	19576	19791	21627	23719	24218	23158	21503	20357	20346	19927	20475	21354	21371
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	391	398	346	234	171	200	242	245	202	346	382	425	423	458	309
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8146	8146	7879	8161	9265	10085	10294	9797	9090	8607	8586	8307	8245	8443	8859
32 Investor-Owned Entities	11292	11281	10456	10488	11277	12512	12758	12220	11346	10532	10506	10289	10893	11527	11298
33 Other Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
34 Total Regional Loads	20749	20746	19590	19791	21627	23719	24221	23181	21557	20391	20380	19927	20475	21354	21381

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	149	149	136	141	157	170	173	166	153	140	140	136	138	148	151
2 Total Federal Entities	149	149	136	141	157	170	173	166	153	140	140	136	138	148	151
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4625	4625	4659	4886	5620	6032	6169	5857	5514	5204	5190	4879	4671	4704	5234
8 Total Generating Public Entities	4625	4625	4659	4886	5620	6032	6169	5857	5514	5204	5190	4879	4671	4704	5234
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3625	3625	3322	3373	3753	4165	4206	4038	3661	3485	3476	3508	3654	3822	3717
10 Total Non-Generating Public Entities	3625	3625	3322	3373	3753	4165	4206	4038	3661	3485	3476	3508	3654	3822	3717
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11473	11462	10606	10633	11450	12684	12941	12376	11477	10663	10637	10456	11082	11713	11461
12 Total Investor-Owned Entities	11473	11462	10606	10633	11450	12684	12941	12376	11477	10663	10637	10456	11082	11713	11461
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
14 Total Other Firm Loads	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	401	408	355	235	171	201	243	245	203	346	382	426	424	458	311
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8250	8250	7980	8259	9373	10198	10376	9895	9175	8688	8666	8387	8325	8526	8952
18 Investor-Owned Entities	11473	11462	10606	10633	11450	12684	12941	12376	11477	10663	10637	10456	11082	11713	11461
19 Other Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
20 Total Regional Firm Loads	21044	21040	19852	20035	21909	24006	24487	23437	21776	20604	20592	20176	20746	21624	21641
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	401	408	355	235	171	201	243	245	203	346	382	426	424	458	311
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8250	8250	7980	8259	9373	10198	10376	9895	9175	8688	8666	8387	8325	8526	8952
32 Investor-Owned Entities	11473	11462	10621	10633	11450	12684	12945	12399	11532	10697	10670	10456	11082	11713	11472
33 Other Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
34 Total Regional Loads	21044	21040	19866	20035	21909	24006	24491	23460	21830	20638	20626	20176	20746	21624	21651

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	150	150	137	141	158	171	173	167	154	141	141	136	138	149	151
2 Total Federal Entities	150	150	137	141	158	171	173	167	154	141	141	136	138	149	151
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4673	4673	4707	4935	5678	6093	6231	5917	5569	5255	5241	4927	4719	4754	5288
8 Total Generating Public Entities	4673	4673	4707	4935	5678	6093	6231	5917	5569	5255	5241	4927	4719	4754	5288
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3661	3658	3356	3407	3784	4202	4248	4076	3699	3523	3515	3545	3695	3870	3755
10 Total Non-Generating Public Entities	3661	3658	3356	3407	3784	4202	4248	4076	3699	3523	3515	3545	3695	3870	3755
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11681	11669	10783	10796	11645	12927	13156	12552	11650	10821	10794	10633	11272	11898	11650
12 Total Investor-Owned Entities	11681	11669	10783	10796	11645	12927	13156	12552	11650	10821	10794	10633	11272	11898	11650
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
14 Total Other Firm Loads	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	402	409	356	236	172	202	244	246	204	347	383	426	425	459	312
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8335	8331	8064	8342	9462	10295	10479	9992	9267	8778	8756	8472	8414	8623	9043
18 Investor-Owned Entities	11681	11669	10783	10796	11645	12927	13156	12552	11650	10821	10794	10633	11272	11898	11650
19 Other Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
20 Total Regional Firm Loads	21339	21331	20114	20284	22196	24349	24807	23713	22043	20853	20841	20439	21026	21909	21922
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	402	409	356	236	172	202	244	246	204	347	383	426	425	459	312
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8335	8331	8064	8342	9462	10295	10479	9992	9267	8778	8756	8472	8414	8623	9043
32 Investor-Owned Entities	11681	11669	10798	10796	11645	12927	13160	12575	11704	10854	10828	10633	11272	11898	11660
33 Other Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
34 Total Regional Loads	21339	21331	20128	20284	22196	24349	24811	23736	22097	20887	20874	20439	21026	21909	21933

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	150	150	137	142	159	171	174	166	154	142	141	137	139	150	152
2 Total Federal Entities	150	150	137	142	159	171	174	166	154	142	141	137	139	150	152
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4722	4722	4756	4987	5738	6156	6294	5918	5624	5308	5294	4976	4768	4805	5337
8 Total Generating Public Entities	4722	4722	4756	4987	5738	6156	6294	5918	5624	5308	5294	4976	4768	4805	5337
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3704	3704	3398	3442	3817	4239	4289	4067	3734	3560	3551	3585	3732	3911	3789
10 Total Non-Generating Public Entities	3704	3704	3398	3442	3817	4239	4289	4067	3734	3560	3551	3585	3732	3911	3789
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11895	11882	10964	10978	11838	13077	13351	12670	11586	11021	10994	10820	11423	12091	11808
12 Total Investor-Owned Entities	11895	11882	10964	10978	11838	13077	13351	12670	11586	11021	10994	10820	11423	12091	11808
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
14 Total Other Firm Loads	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	403	410	356	236	173	202	244	245	205	347	384	427	425	460	312
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8426	8426	8153	8429	9556	10395	10583	9985	9358	8868	8845	8561	8500	8716	9127
18 Investor-Owned Entities	11895	11882	10964	10978	11838	13077	13351	12670	11586	11021	10994	10820	11423	12091	11808
19 Other Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
20 Total Regional Firm Loads	21646	21641	20387	20554	22484	24601	25110	23825	22072	21145	21132	20717	21266	22197	22166
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	403	410	356	236	173	202	244	245	205	347	384	427	425	460	312
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8426	8426	8153	8429	9556	10395	10583	9985	9358	8868	8845	8561	8500	8716	9127
32 Investor-Owned Entities	11895	11882	10978	10978	11838	13077	13355	12693	11641	11054	11027	10820	11423	12091	11819
33 Other Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
34 Total Regional Loads	21646	21641	20401	20554	22484	24601	25113	23848	22127	21179	21166	20717	21266	22197	22177

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	151	151	138	142	158	171	175	169	155	142	142	137	139	151	152
2 Total Federal Entities	151	151	138	142	158	171	175	169	155	142	142	137	139	151	152
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4772	4772	4806	5035	5795	6217	6357	6040	5680	5360	5346	5026	4817	4857	5396
8 Total Generating Public Entities	4772	4772	4806	5035	5795	6217	6357	6040	5680	5360	5346	5026	4817	4857	5396
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3738	3738	3428	3461	3833	4256	4325	4149	3768	3594	3585	3619	3765	3951	3824
10 Total Non-Generating Public Entities	3738	3738	3428	3461	3833	4256	4325	4149	3768	3594	3585	3619	3765	3951	3824
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12101	12089	11129	11153	11976	13277	13564	13086	12055	11197	11170	10994	11608	12288	12034
12 Total Investor-Owned Entities	12101	12089	11129	11153	11976	13277	13564	13086	12055	11197	11170	10994	11608	12288	12034
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
14 Total Other Firm Loads	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	403	410	357	236	173	202	245	248	205	348	384	427	426	461	313
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8511	8511	8235	8497	9628	10473	10682	10189	9448	8953	8931	8644	8582	8808	9220
18 Investor-Owned Entities	12101	12089	11129	11153	11976	13277	13564	13086	12055	11197	11170	10994	11608	12288	12034
19 Other Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
20 Total Regional Firm Loads	21939	21934	20635	20798	22696	24879	25423	24448	22633	21410	21397	20976	21536	22489	22488
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	403	410	357	236	173	202	245	248	205	348	384	427	426	461	313
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8511	8511	8235	8497	9628	10473	10682	10189	9448	8953	8931	8644	8582	8808	9220
32 Investor-Owned Entities	12101	12089	11144	11153	11976	13277	13568	13109	12109	11231	11204	10994	11608	12288	12045
33 Other Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
34 Total Regional Loads	21939	21934	20649	20798	22696	24879	25427	24471	22687	21443	21430	20976	21536	22489	22498

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	152	152	139	143	160	172	176	170	156	143	143	139	140	152	154
2 Total Federal Entities	152	152	139	143	160	172	176	170	156	143	143	139	140	152	154
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4822	4822	4856	5097	5867	6293	6433	6052	5747	5423	5409	5085	4874	4917	5455
8 Total Generating Public Entities	4822	4822	4856	5097	5867	6293	6433	6052	5747	5423	5409	5085	4874	4917	5455
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3776	3776	3466	3511	3879	4309	4386	4210	3823	3643	3635	3652	3798	3984	3869
10 Total Non-Generating Public Entities	3776	3776	3466	3511	3879	4309	4386	4210	3823	3643	3635	3652	3798	3984	3869
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12301	12289	11314	11334	12169	13490	13795	13306	12260	11389	11361	11178	11805	12497	12235
12 Total Investor-Owned Entities	12301	12289	11314	11334	12169	13490	13795	13306	12260	11389	11361	11178	11805	12497	12235
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
14 Total Other Firm Loads	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	404	411	358	238	174	204	247	249	206	349	385	428	427	462	314
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8598	8598	8322	8608	9745	10602	10819	10262	9570	9066	9044	8736	8673	8901	9324
18 Investor-Owned Entities	12301	12289	11314	11334	12169	13490	13795	13306	12260	11389	11361	11178	11805	12497	12235
19 Other Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
20 Total Regional Firm Loads	22230	22224	20910	21094	23010	25225	25794	24744	22962	21716	21703	21255	21825	22794	22796
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	404	411	358	238	174	204	247	249	206	349	385	428	427	462	314
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8598	8598	8322	8608	9745	10602	10819	10262	9570	9066	9044	8736	8673	8901	9324
32 Investor-Owned Entities	12301	12289	11329	11334	12169	13490	13798	13329	12314	11422	11395	11178	11805	12497	12246
33 Other Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
34 Total Regional Loads	22230	22224	20924	21094	23010	25225	25798	24767	23016	21750	21736	21255	21825	22794	22807

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	154	154	140	145	162	174	178	172	157	144	144	140	141	154	155
2 Total Federal Entities	154	154	140	145	162	174	178	172	157	144	144	140	141	154	155
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4881	4881	4916	5158	5937	6370	6511	6095	5815	5488	5473	5144	4933	4979	5518
8 Total Generating Public Entities	4881	4881	4916	5158	5937	6370	6511	6095	5815	5488	5473	5144	4933	4979	5518
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3808	3808	3498	3549	3940	4369	4441	4263	3872	3692	3683	3697	3845	4034	3917
10 Total Non-Generating Public Entities	3808	3808	3498	3549	3940	4369	4441	4263	3872	3692	3683	3697	3845	4034	3917
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12512	12500	11509	11526	12372	13715	14021	13525	12463	11576	11548	11365	12004	12706	12439
12 Total Investor-Owned Entities	12512	12500	11509	11526	12372	13715	14021	13525	12463	11576	11548	11365	12004	12706	12439
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
14 Total Other Firm Loads	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	406	413	359	239	176	205	248	251	208	350	386	429	428	464	315
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8689	8689	8414	8707	9877	10739	10952	10359	9687	9179	9156	8841	8778	9013	9435
18 Investor-Owned Entities	12512	12500	11509	11526	12372	13715	14021	13525	12463	11576	11548	11365	12004	12706	12439
19 Other Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
20 Total Regional Firm Loads	22535	22530	21199	21387	23347	25590	26156	25063	23286	22019	22004	21549	22131	23118	23114
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	406	413	359	239	176	205	248	251	208	350	386	429	428	464	315
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8689	8689	8414	8707	9877	10739	10952	10359	9687	9179	9156	8841	8778	9013	9435
32 Investor-Owned Entities	12512	12500	11523	11526	12372	13715	14025	13548	12518	11610	11582	11365	12004	12706	12450
33 Other Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
34 Total Regional Loads	22535	22530	21213	21387	23347	25590	26160	25086	23340	22053	22038	21549	22131	23118	23125

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads															
<i>-Federal Entities-</i>															
1 Federal Entities	155	155	141	147	163	175	179	171	159	145	145	141	143	156	156
2 Total Federal Entities	155	155	141	147	163	175	179	171	159	145	145	141	143	156	156
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
6 Total Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4941	4941	4977	5223	6011	6449	6591	6020	5886	5554	5540	5206	4995	5043	5574
8 Total Generating Public Entities	4941	4941	4977	5223	6011	6449	6591	6020	5886	5554	5540	5206	4995	5043	5574
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3855	3855	3543	3597	3992	4426	4498	4259	3925	3743	3733	3745	3893	4087	3963
10 Total Non-Generating Public Entities	3855	3855	3543	3597	3992	4426	4498	4259	3925	3743	3733	3745	3893	4087	3963
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12726	12714	11703	11718	12572	13938	14260	13637	12667	11771	11743	11555	12209	12924	12638
12 Total Investor-Owned Entities	12726	12714	11703	11718	12572	13938	14260	13637	12667	11771	11743	11555	12209	12924	12638
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
14 Total Other Firm Loads	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	408	415	360	241	178	206	250	250	209	351	388	431	429	466	317
16 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
17 Public Entities	8796	8796	8520	8819	10002	10876	11090	10279	9811	9297	9273	8951	8887	9130	9537
18 Investor-Owned Entities	12726	12714	11703	11718	12572	13938	14260	13637	12667	11771	11743	11555	12209	12924	12638
19 Other Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
20 Total Regional Firm Loads	22859	22853	21501	21695	23676	25952	26536	25096	23616	22334	22319	21852	22449	23457	23418
Non-Firm Loads															
<i>-Investor-Owned Entities-</i>															
21 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
22 Total Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Non-Firm Loads-</i>															
23 Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Investor-Owned Entities	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Regional Non-Firm Loads	0	0	14	0	0	0	3.5	23	54	34	34	0	0	0	11
<i>-Total Regional Loads-</i>															
29 Federal Entities	408	415	360	241	178	206	250	250	209	351	388	431	429	466	317
30 Direct Service Industry	608	608	608	608	608	608	608	608	608	608	608	608	608	608	608
31 Public Entities	8796	8796	8520	8819	10002	10876	11090	10279	9811	9297	9273	8951	8887	9130	9537
32 Investor-Owned Entities	12726	12714	11717	11718	12572	13938	14263	13660	12721	11805	11777	11555	12209	12924	12649
33 Other Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
34 Total Regional Loads	22859	22853	21515	21695	23676	25952	26540	25119	23671	22368	22353	21852	22449	23457	23428

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Table A-2
Exports
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	74	74	65	74	83	96	93	91	81	65	65	65	65	75	77
3 Total Exports to ECD	82	82	73	82	91	104	101	99	89	73	73	73	73	83	85
<i>-Exports to Pacific Southwest-</i>															
4 BPA to BURB C/N/X	5.4	5.5	5.4	3.8	2.7	2.6	2.7	2.7	2.7	2.5	2.7	4.2	5.4	5.2	3.8
5 BPA to GLEN C/N/X	6	6.1	6	4.3	3	2.9	3	3.0	3	2.8	3	4.7	6	5.8	4.2
6 BPA to Other Entities	210	210	210	0	0	0	0	0	0	0	0	0	0	0	35
7 BPA to PASA C/N/X	3.6	3.6	3.6	2.6	1.8	1.7	1.8	1.8	1.8	1.7	1.8	2.8	3.6	3.5	2.5
8 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
10 BPA to RVSD CapS	0	0	0	0	4.9	4.5	4.9	4.8	4.7	4.5	4.9	7.1	0	0	3.0
11 BPA to RVSD C/N/X	7.1	7.1	6.7	6.8	0	0	0	0	0	0	0	0	6.7	6.8	2.8
12 BPA to RVSD C/N/X	11	11	10	11	2.8	2.5	2.8	2.7	2.8	2.5	2.8	0	0	11	4.9
13 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
14 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
15 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	10	10	3.3
16 PPL to REDD PwrS	37	37	33	31	0	0	0	0	0	0	0	23	25	33	15
17 PPL to SCE PwrS	114	114	114	0	0	0	0	0	0	0	0	0	0	0	19
18 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
19 PSE to PG&E S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	48	128	43
20 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
21 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
22 SHPD to SMUD PwrS	36	36	36	26	26	26	26	26	26	26	26	26	33	33	29
23 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
24 BPA NW-SW Intertie Losses	7.4	7.4	7.4	0.8	0.5	0.4	0.5	0.4	0.5	0.4	0.5	1.4	1.5	1.1	1.9
25 Total Exports To PSW	839	840	842	297	238	237	238	238	238	237	230	158	394	469	369
<i>-Exports to Inland Southwest-</i>															
26 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
27 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
28 BPA to BCHP CanEnt	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
29 Total Exports To Canada	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488
<i>-Exports to Other Entities-</i>															
30 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
31 Federal Entities	893	893	883	636	632	645	642	640	630	643	644	677	680	676	690
32 Public Entities	110	110	121	96	81	81	81	81	81	81	78	26	118	118	90
33 Investor-Owned Entities	482	482	475	180	150	150	150	150	150	150	145	91	233	321	223
34 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Total Exports.	1485	1485	1479	912	862	875	873	870	860	873	866	794	1031	1116	1002

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	72	72	67	77	86	100	96	95	84	67	67	67	67	78	80
3 Total Exports to ECD	80	80	75	85	94	108	104	103	92	75	75	75	75	86	88
<i>-Exports to Pacific Southwest-</i>															
4 BPA to BURB C/N/X	5.4	5.5	5.2	3.9	2.7	2.6	2.7	2.7	2.6	2.7	0	0	0	0	2.4
5 BPA to GLEN C/N/X	6	6.1	5.8	4.4	3	2.9	3	3.0	2.9	3	0	0	0	0	2.7
6 BPA to PASA C/N/X	3.6	3.6	3.5	2.6	1.8	1.7	1.8	1.8	1.7	1.8	0	0	0	0	1.6
7 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
8 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
9 BPA to RVSD CapS	0	0	0	0	4.9	4.5	4.9	4.8	4.5	4.9	4.9	6.8	0	0	2.9
10 BPA to RVSD C/N/X	7.1	7.1	6.4	7.1	0	0	0	0	0	0	0	0	6.7	7.1	2.9
11 BPA to RVSD C/N/X	11	11	10	11	2.8	2.5	2.8	2.6	2.5	2.8	2.8	0	0	11	4.9
12 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
13 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
14 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	10	10	3.3
15 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
16 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
17 PSE to PG&E S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	0	0	28
18 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
19 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
20 SHPD to SMUD PwrS	36	36	36	0	0	0	0	0	0	0	0	0	0	0	6
21 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
22 BPA NW-SW Intertie Losses	1.1	1.1	1.1	0.9	0.5	0.4	0.5	0.4	0.4	0.5	0.2	1	1	0.7	0.7
23 Total Exports To PSW	509	510	508	270	212	211	212	212	211	212	197	119	298	294	272
<i>-Exports to Inland Southwest-</i>															
24 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
25 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
26 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
27 Total Exports To Canada	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
<i>-Exports to Other Entities-</i>															
28 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
29 Federal Entities	669	669	661	635	629	643	640	638	627	641	633	661	661	659	647
30 Public Entities	110	110	121	70	55	55	55	55	55	55	52	0	85	85	67
31 Investor-Owned Entities	368	368	358	178	150	150	150	150	150	150	145	91	185	193	189
32 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 Total Exports.	1147	1148	1140	883	834	848	844	842	831	846	830	752	930	938	902

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	75	75	69	50	55	64	62	60	54	43	43	43	43	51	56
3 Total Exports to ECD	83	83	77	58	63	72	70	68	62	51	51	51	51	59	64
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD CapS	0	0	0	0	4.4	4.9	4.7	4.8	4.7	4.9	4.9	6.5	0	0	2.9
7 BPA to RVSD C/N/X	6.7	6.3	7	7.1	0	0	0	0	0	0	0	0	7	7.1	2.9
8 BPA to RVSD C/N/X	11	9.4	11	11	2.5	2.8	2.7	2.7	2.7	2.8	2.8	0	0	11	5.0
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
10 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
11 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	10	10	3.3
12 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
13 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
14 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
15 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
16 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
17 BPA NW-SW Intertie Losses	0.7	0.6	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	1.1	0.7	0.5
18 Total Exports To PSW	285	283	291	259	204	205	204	204	204	205	197	118	298	294	231
<i>-Exports to Inland Southwest-</i>															
19 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
20 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
21 BPA to BCHP CanEnt	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
22 Total Exports To Canada	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
<i>-Exports to Other Entities-</i>															
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
24 Federal Entities	638	636	632	578	572	582	579	578	571	591	590	618	620	614	598
25 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
26 Investor-Owned Entities	196	196	191	178	150	150	150	150	150	150	145	91	185	193	161
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Exports.	909	906	908	826	777	787	784	783	776	795	787	709	890	893	819

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	49	49	44	46	51	60	57	56	50	40	40	40	40	47	48
3 Total Exports to ECD	57	57	52	54	59	68	65	64	58	48	48	48	48	55	56
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD CapS	0	0	0	0	4.7	4.9	4.5	4.8	4.9	4.9	4.9	6.5	0	0	2.9
7 BPA to RVSD C/N/X	6.7	6.3	7	6.8	0	0	0	0	0	0	0	0	0	0	1.7
8 BPA to RVSD C/N/X	10	10	11	11	2.6	2.8	2.5	2.7	2.8	2.8	2.8	0	0	11	4.9
9 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
10 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
11 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	10	10	3.3
12 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
13 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
14 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
15 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
16 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
17 BPA NW-SW Intertie Losses	0.6	0.6	0.7	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	0.9	0.5	0.5
18 Total Exports To PSW	284	284	291	258	204	205	204	204	205	205	197	118	291	286	229
<i>-Exports to Inland Southwest-</i>															
19 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
20 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
21 BPA to BCHP CanEnt	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
22 Total Exports To Canada	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
<i>-Exports to Other Entities-</i>															
23 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
24 Federal Entities	713	712	710	676	671	680	676	676	670	690	690	717	712	705	691
25 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
26 Investor-Owned Entities	196	196	191	178	150	150	150	150	150	150	145	91	185	193	161
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Total Exports.	983	983	985	924	875	884	881	881	875	895	886	809	982	983	913

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	45	45	41	53	59	69	66	65	58	46	46	47	47	54	54
3 Total Exports to ECD	53	53	49	61	67	77	74	73	66	54	54	55	55	62	62
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	10	11	11	10	2.8	2.8	2.5	2.7	2.8	2.8	2.5	0	0	10	4.8
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	10	10	3.3
10 PPL to REDD PwrS	37	37	31	28	0	0	0	0	0	0	0	23	25	33	15
11 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
12 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
13 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
14 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
15 BPA NW-SW Intertie Losses	0.4	0.5	0.5	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.9	0.4	0.3
16 Total Exports To PSW	278	279	284	250	199	200	199	199	200	199	191	112	291	285	224
<i>-Exports to Inland Southwest-</i>															
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
19 BPA to BCHP CanEnt	527	527	527	527	527	527	527	527	527	527	527	527	527	527	527
20 Total Exports To Canada	527	527	527	527	527	527	527	527	527	527	527	527	527	527	527
<i>-Exports to Other Entities-</i>															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
22 Federal Entities	662	663	659	636	634	644	641	640	633	651	651	677	678	671	652
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	196	196	191	178	150	150	150	150	150	150	145	91	185	193	161
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	933	934	935	883	839	849	846	845	838	856	847	769	948	950	874

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	52	52	48	4.5	4.6	5.4	4.8	4.6	4.1	3	3	4.4	4.7	5.8	12
3 Total Exports to ECD	60	60	56	12	13	13	13	13	12	11	11	12	13	14	20
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	11	10	10	2.8	2.7	2.7	2.7	2.7	2.5	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
9 PGE to GLEN S/Pwr/X	10	10	10	0	0	0	0	0	0	0	0	0	0	0	1.7
10 PPL to REDD PwrS	37	37	31	28	0	0	0	0	0	0	0	23	25	33	15
11 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
12 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
13 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
14 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
15 BPA NW-SW Intertie Losses	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
16 Total Exports To PSW	279	279	283	250	199	199	199	199	199	199	192	112	281	276	223
<i>-Exports to Inland Southwest-</i>															
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
19 BPA to BCHP CanEnt	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
20 Total Exports To Canada	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
<i>-Exports to Other Entities-</i>															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
22 Federal Entities	660	660	655	577	569	570	570	569	569	598	598	625	626	613	600
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	197	197	191	178	150	150	150	150	150	150	145	91	175	183	159
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	931	932	931	824	774	775	774	774	773	802	795	717	886	881	820

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	5.1	5.1	4.1	4.5	4.6	5.4	4.7	4.6	4	3	3	4.3	4.6	5.7	4.6
3 Total Exports to ECD	13	13	12	12	13	13	13	13	12	11	11	12	13	14	13
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	11	9.5	11	2.8	2.5	2.8	2.7	2.5	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	26	26	0	4.3
8 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0	3.3
9 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
11 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
12 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
13 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
14 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
15 BPA NW-SW Intertie Losses	0.5	0.5	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
16 Total Exports To PSW	269	269	272	231	179	179	180	179	179	179	172	92	260	257	204
<i>-Exports to Inland Southwest-</i>															
17 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
18 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
19 BPA to BCHP CanEnt	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
20 Total Exports To Canada	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
<i>-Exports to Other Entities-</i>															
21 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
22 Federal Entities	601	601	598	566	557	558	558	557	557	586	586	613	613	602	581
23 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
24 Investor-Owned Entities	187	187	180	158	130	130	130	130	130	130	125	71	155	163	141
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Exports.	862	863	864	794	742	743	742	742	741	770	763	685	853	850	782

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	5	5	4	4.4	4.5	5.3	4.7	4.5	3.9	2.9	2.9	4.2	4.5	5.7	4.5
3 Total Exports to ECD	13	13	12	12	12	13	13	12	12	11	11	12	12	14	12
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	2.2	2.2	0	0.4
6 BPA to RVSD C/N/X	11	10	10	11	2.6	2.7	2.8	2.7	2.5	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
9 PPL to SMUD PwrS	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
10 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
11 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
12 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
13 BPA NW-SW Intertie Losses	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.5	0.3
14 Total Exports To PSW	249	248	252	231	179	179	180	179	179	179	172	92	261	257	201
<i>-Exports to Inland Southwest-</i>															
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
16 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
17 BPA to BCHP CanEnt	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
18 Total Exports To Canada	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
<i>-Exports to Other Entities-</i>															
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
20 Federal Entities	591	590	589	556	547	548	548	547	547	576	576	603	604	592	570
21 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
22 Investor-Owned Entities	167	167	160	158	130	130	130	130	130	130	125	71	155	163	137
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Exports.	832	831	834	784	732	733	732	732	731	760	752	674	843	840	769

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	5	5	3.9	4.4	4.5	5.2	4.6	4.5	3.9	2.9	2.9	4.2	4.5	5.6	4.4
3 Total Exports to ECD	13	13	12	12	12	13	13	12	12	11	11	12	12	14	12
<i>-Exports to Pacific Southwest-</i>															
4 BPA to PASA C/N/X	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	0	0.7
5 BPA to PASA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA to RVSD C/N/X	11	9.4	10	11	2.5	2.8	2.7	2.7	2.7	2.8	2.8	0	0	11	4.9
7 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	25	26	0	4.3
8 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
9 PPL to SMUD PwrS	40	40	40	40	40	40	0	0	0	0	0	0	0	0	17
10 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
11 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
12 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
13 BPA NW-SW Intertie Losses	0.5	0.4	0.4	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.8	0.3	0.3
14 Total Exports To PSW	249	247	253	231	179	180	139	139	139	139	132	49	219	212	177
<i>-Exports to Inland Southwest-</i>															
15 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
16 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
17 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
18 Total Exports To Canada	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
<i>-Exports to Other Entities-</i>															
19 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
20 Federal Entities	579	577	577	544	535	536	535	535	535	564	564	588	590	575	558
21 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
22 Investor-Owned Entities	166	166	161	158	130	130	90	90	90	90	85	31	115	123	114
23 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Total Exports.	820	818	823	772	720	721	680	680	679	708	700	619	789	784	732

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Exports East of Continental Divide-</i>															
1 AVWP to PPLM PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
2 BPA to Other Entities	4.9	4.9	3.9	4.3	4.4	5.1	4.5	4.4	3.8	2.8	2.8	4.1	4.4	5.5	4.3
3 Total Exports to ECD	13	13	12	12	12	13	12	12	12	11	11	12	12	14	12
<i>-Exports to Pacific Southwest-</i>															
4 BPA to RVSD C/N/X	10	10	11	11	2.6	2.8	2.5	2.7	2.8	2.8	2.5	0	0	0	4.0
5 BPA to RVSD S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	0	0	0	8
7 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
8 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
9 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
10 BPA NW-SW Intertie Losses	0.3	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
11 Total Exports To PSW	203	203	209	191	139	140	139	139	140	139	131	0	167	167	147
<i>-Exports to Inland Southwest-</i>															
12 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
13 Total Exports To ISW	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<i>-Exports to Canada-</i>															
14 BPA to BCHP CanEnt	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
15 Total Exports To Canada	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
<i>-Exports to Other Entities-</i>															
16 Total Exports To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Exports-</i>															
17 Federal Entities	561	562	561	531	523	524	523	523	523	552	551	550	550	552	539
18 Public Entities	74	74	85	70	55	55	55	55	55	55	52	0	85	85	61
19 Investor-Owned Entities	126	126	121	118	90	90	90	90	90	90	85	8	90	90	91
20 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Total Exports.	762	762	767	719	668	669	668	668	667	696	688	558	725	726	691

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Table A-3
Regulated Hydro Projects
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	137	445	455	523	548	432	473	462	399	171	205	376	210	383
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1572	1294	870	995	1272	1177	884	891	912	908	884	824	1344	1332	1069
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2954	2385	1606	1879	2380	2138	1594	1600	1570	1479	1398	1416	2532	2534	1946
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	167	146	99	140	124	149	177	193	219	317	250	136	168
20 John Day	815	694	748	777	920	902	694	759	813	845	708	768	990	783	807
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	135	128	181	148	101	141	128	138	173	207	240	352	274	158	179
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	86	85	185	144	100	141	128	138	172	146	203	356	255	98	165
29 Lower Monumental	88	86	175	149	99	143	127	153	183	111	143	293	219	112	155
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	397	337	520	537	605	593	453	496	518	457	286	351	527	380	477
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	543	462	599	614	722	720	569	611	658	632	483	516	668	523	605
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	11812	10114	9504	10120	11700	12103	9653	9125	9709	10116	9017	9800	13934	11760	10662
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	7856	6580	5886	6105	7074	6956	5379	5650	5876	5595	4917	5822	8064	7309	6383
60 Public Entities	1511	1294	1442	1682	1926	2212	1821	1333	1477	1578	1377	1555	2682	1965	1748
61 Investor-Owned Entities	2210	2027	2004	2138	2475	2715	2279	1969	2175	2761	2561	2283	2968	2288	2339
62 Other Entities	235	213	171	194	226	220	174	174	181	183	162	140	221	198	191
63 Total Regulated Hydro w/Enc.	11812	10114	9504	10120	11700	12103	9653	9125	9709	10116	9017	9800	13934	11760	10662

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1574	1296	871	996	1274	1179	885	892	913	909	885	825	1346	1333	1070
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2962	2391	1610	1884	2386	2144	1599	1604	1574	1482	1402	1420	2537	2540	1951
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	136	129	181	149	102	141	129	138	174	208	241	355	276	160	180
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	87	86	186	144	100	141	128	138	173	147	204	359	257	100	166
29 Lower Monumental	89	87	176	150	100	143	127	153	184	112	145	296	221	113	157
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	399	339	522	538	607	595	454	497	519	458	286	352	528	462	484
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	11832	10129	9516	10135	11716	12119	9667	9138	9724	10131	9031	9818	13953	11858	10684
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	7876	6594	5898	6120	7090	6971	5393	5662	5891	5609	4931	5840	8082	7407	6405
60 Public Entities	1515	1298	1446	1687	1926	2212	1821	1333	1477	1578	1377	1555	2682	1965	1749
61 Investor-Owned Entities	2210	2027	2004	2138	2475	2715	2279	1969	2175	2761	2561	2283	2968	2288	2339
62 Other Entities	231	209	167	190	226	220	174	174	181	183	162	140	221	198	190
63 Total Regulated Hydro w/Enc.	11832	10129	9516	10135	11716	12119	9667	9138	9724	10131	9031	9818	13953	11858	10684

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1576	1297	871	997	1275	1180	886	893	914	910	886	826	1347	1335	1071
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2967	2395	1612	1887	2390	2148	1602	1607	1577	1485	1404	1423	2540	2544	1955
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	136	129	181	149	102	141	129	138	174	208	241	355	314	226	189
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	87	86	186	144	100	141	128	138	173	147	204	359	299	226	180
29 Lower Monumental	89	87	176	150	100	143	127	153	184	174	215	365	307	232	185
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	482	410	522	538	607	595	454	497	519	458	286	352	528	382	484
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	11922	10206	9519	10139	11722	12124	9671	9142	9727	10196	9104	9890	14123	12094	10739
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	7966	6671	5902	6124	7096	6976	5397	5666	5895	5674	5004	5913	8253	7643	6460
60 Public Entities	1515	1298	1446	1687	1926	2212	1821	1333	1477	1578	1377	1555	2682	1965	1749
61 Investor-Owned Entities	2210	2027	2004	2138	2475	2715	2279	1969	2175	2761	2561	2283	2968	2288	2339
62 Other Entities	231	209	167	190	226	220	174	174	181	183	162	140	221	198	190
63 Total Regulated Hydro w/Enc.	11922	10206	9519	10139	11722	12124	9671	9142	9727	10196	9104	9890	14123	12094	10739

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1579	1300	873	999	1277	1182	888	895	915	912	888	827	1349	1337	1074
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2973	2399	1615	1891	2394	2152	1605	1610	1579	1488	1407	1425	2544	2548	1958
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	346	526	544	613	601	460	502	525	462	289	355	532	390	483
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12124	10401	9528	10150	11734	12137	9681	9151	9738	10204	9111	9898	14133	12109	10765
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8168	6867	5911	6135	7109	6989	5407	5676	5905	5683	5011	5920	8263	7658	6486
60 Public Entities	1515	1298	1446	1687	1955	2238	1921	1433	1577	1677	1422	1601	2774	2036	1802
61 Investor-Owned Entities	2210	2027	2004	2138	2447	2691	2181	1871	2077	2664	2515	2237	2876	2220	2288
62 Other Entities	231	209	167	190	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12124	10401	9528	10150	11734	12137	9681	9151	9738	10204	9111	9898	14133	12109	10765

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1584	1304	875	1002	1281	1186	891	898	918	914	890	830	1352	1341	1077
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2979	2404	1618	1894	2399	2156	1608	1612	1582	1490	1410	1428	2548	2553	1962
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	346	526	544	613	601	460	502	525	462	289	355	532	390	483
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12135	10409	9533	10157	11742	12144	9687	9157	9743	10210	9116	9903	14140	12117	10772
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8179	6875	5916	6142	7116	6997	5413	5681	5910	5688	5016	5925	8270	7666	6493
60 Public Entities	1596	1361	1542	1800	2078	2352	1923	1435	1579	1679	1423	1601	2776	2038	1846
61 Investor-Owned Entities	2132	1968	1910	2027	2324	2578	2179	1869	2075	2662	2515	2236	2874	2219	2244
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12135	10409	9533	10157	11742	12144	9687	9157	9743	10210	9116	9903	14140	12117	10772

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1590	1307	878	1005	1285	1190	893	900	921	917	893	832	1355	1345	1080
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2982	2406	1619	1896	2401	2158	1609	1614	1584	1492	1411	1429	2550	2555	1963
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	346	526	544	613	601	460	502	525	462	289	355	532	390	483
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12142	10415	9537	10162	11748	12150	9691	9161	9747	10213	9120	9906	14145	12123	10776
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8187	6881	5919	6147	7122	7003	5417	5685	5914	5692	5020	5929	8275	7672	6498
60 Public Entities	1598	1362	1544	1803	2081	2355	1925	1437	1581	1682	1424	1602	2778	2040	1848
61 Investor-Owned Entities	2130	1966	1909	2024	2320	2574	2177	1867	2072	2659	2514	2235	2872	2217	2242
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12142	10415	9537	10162	11748	12150	9691	9161	9747	10213	9120	9906	14145	12123	10776

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1595	1311	880	1008	1288	1193	896	903	923	920	896	835	1359	1349	1083
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2982	2406	1619	1896	2401	2158	1609	1614	1584	1492	1411	1429	2550	2555	1963
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	422	361	536	556	626	614	471	512	536	471	295	361	541	406	494
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12163	10433	9549	10176	11765	12166	9705	9174	9761	10225	9128	9915	14157	12143	10790
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8207	6899	5931	6161	7139	7019	5431	5698	5928	5703	5028	5937	8287	7692	6512
60 Public Entities	1600	1364	1546	1805	2084	2358	1928	1439	1583	1684	1425	1603	2780	2042	1850
61 Investor-Owned Entities	2128	1964	1906	2022	2317	2571	2175	1864	2070	2657	2513	2234	2870	2215	2240
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12163	10433	9549	10176	11765	12166	9705	9174	9761	10225	9128	9915	14157	12143	10790

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
9 Chief Joseph	1600	1315	882	1011	1292	1197	899	905	926	922	898	837	1362	1352	1086
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2982	2406	1619	1896	2401	2158	1609	1614	1584	1492	1411	1429	2550	2555	1963
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	437	375	546	567	638	627	481	522	548	479	300	367	550	422	505
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

Continued

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12183	10452	9561	10191	11781	12183	9718	9187	9775	10236	9137	9924	14170	12163	10805
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8227	6917	5943	6176	7155	7036	5444	5711	5942	5714	5037	5946	8299	7711	6526
60 Public Entities	1602	1365	1548	1808	2088	2361	1930	1442	1586	1686	1426	1604	2782	2044	1853
61 Investor-Owned Entities	2126	1963	1904	2019	2314	2568	2172	1862	2068	2654	2512	2233	2868	2213	2237
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12183	10452	9561	10191	11781	12183	9718	9187	9775	10236	9137	9924	14170	12163	10805

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	55	55	57	45
9 Chief Joseph	1600	1315	882	1011	1292	1197	899	905	926	922	898	837	1362	1352	1086
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2982	2406	1619	1896	2401	2158	1609	1614	1584	1492	1411	1429	2550	2555	1963
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	452	390	555	579	651	640	492	532	559	488	306	373	558	437	516
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12199	10466	9571	10203	11794	12196	9729	9197	9787	10244	9142	9930	14178	12178	10816
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8243	6932	5953	6187	7168	7048	5455	5721	5954	5723	5042	5952	8308	7727	6537
60 Public Entities	1604	1367	1551	1811	2092	2365	1933	1444	1588	1689	1427	1605	2784	2046	1855
61 Investor-Owned Entities	2124	1961	1902	2016	2310	2565	2170	1859	2065	2652	2511	2232	2866	2211	2235
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12199	10466	9571	10203	11794	12196	9729	9197	9787	10244	9142	9930	14178	12178	10816

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Regulated Hydro Projects-</i>															
1 Albeni Falls	27	24	27	36	24	16	17	14	16	18	18	27	44	39	25
2 Alder	14	10	11	12	5.5	48	27	12	25	30	0	43	18	20	21
3 Bonneville	227	138	446	457	524	550	434	474	464	400	172	205	377	210	384
4 Boundary	221	195	238	418	348	226	260	186	236	259	415	554	622	405	336
5 Box Canyon	35	32	38	61	53	36	40	30	37	40	61	73	74	56	48
6 Brownlee	229	229	319	252	160	258	243	243	204	341	334	186	157	182	231
7 Cabinet Gorge	63	55	42	64	74	59	80	50	61	49	88	181	186	115	87
8 Chelan	31	23	20	55	54	55	54	54	5.2	33	54	55	55	57	45
9 Chief Joseph	1600	1315	882	1011	1292	1197	899	905	926	922	898	837	1362	1352	1086
10 Cushman 1	0	0	12	1.8	27	35	26	15	0	0	5.3	25	2.5	0	12
11 Cushman 2	0	0	19	0.1	49	71	61	42	0	0	10	60	2.9	0	26
12 Diablo	74	56	76	35	36	102	64	33	67	66	60	74	172	154	78
13 Dworshak	432	410	183	51	51	51	51	50	50	51	53	66	289	440	146
14 Faraday	8.1	7.5	7.6	6.6	6.2	18	8.9	17	31	43	42	33	32	14	19
15 Gorge	86	68	87	43	43	118	74	40	81	81	75	92	182	168	90
16 Grand Coulee	2982	2406	1619	1896	2401	2158	1609	1614	1584	1492	1411	1429	2550	2555	1963
17 Hells Canyon	169	169	250	217	133	202	193	202	180	300	309	178	137	137	192
18 Hungry Horse	158	149	76	85	89	90	92	92	88	66	28	29	31	129	83
19 Ice Harbor	111	106	168	147	99	140	125	150	179	194	220	318	251	137	169
20 John Day	816	695	749	778	921	903	695	761	815	846	709	769	991	784	808
21 Kerr	91	82	53	100	116	82	140	72	85	51	69	145	178	144	105
22 La Grande	21	15	15	18	7.6	63	50	29	56	62	0	63	29	30	34
23 Libby	313	283	104	90	89	157	86	85	84	84	83	303	265	437	173
24 Little Falls	9.4	9.3	9.5	8.9	8.1	23	21	11	22	32	30	30	34	14	19
25 Little Goose	193	184	181	149	102	141	129	138	174	208	241	355	314	226	194
26 Long Lake	23	22	23	21	20	51	46	23	47	70	72	72	72	34	42
27 Lower Baker	29	23	22	2.1	30	69	45	11	20	49	50	54	41	56	35
28 Lower Granite	194	185	186	144	100	141	128	138	173	147	204	359	299	226	188
29 Lower Monumental	194	185	176	150	100	143	127	153	184	174	215	365	307	232	193
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	468	404	565	590	664	653	503	543	570	496	312	379	567	453	527
32 Merwin	17	15	16	28	80	116	56	35	66	109	96	20	58	29	52
33 Monroe Street	5.6	5.8	6.2	5.4	4.5	15	15	6.6	15	15	15	15	15	12	11
34 Mossyrock	56	48	74	91	92	194	182	32	52	55	64	0	250	85	97
35 Nine Mile	5.7	5.7	6	5.3	4.4	14	14	6.9	15	23	23	22	24	10	12
36 North Fork	9	8.4	8.4	7.4	7	20	9.9	18	35	54	47	54	43	15	23
37 Noxon	88	81	56	94	110	85	118	69	89	74	122	284	295	159	129
38 Oak Grove	18	20	20	18	17	34	17	18	24	34	34	34	34	22	24
39 Oxbow	88	88	131	113	68	104	99	103	90	153	154	82	63	70	97
40 Pelton	35	35	35	37	36	42	36	36	42	44	52	41	39	36	38
41 Pelton Rereg. Dam	8	8	8	9	8	10	9	9	10	11	13	10	9	8	9.2
42 Post Falls	2.2	2.5	2.6	2.6	1.9	9.7	11	3.6	10	15	14	14	15	5.3	7.7
43 Priest Rapids	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369
44 River Mill	4.6	4.3	4.4	3.8	3.6	10	5.1	9.5	18	23	23	23	20	7.7	11
45 Rock Island PH#1	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
46 Rock Island PH#2	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123
47 Rocky Reach	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
48 Ross	52	40	70	33	41	112	69	37	66	62	54	61	249	151	83
49 Round Butte	87	87	87	92	90	105	89	89	105	110	133	102	98	88	96
50 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
51 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
52 The Dalles	544	463	600	615	724	721	570	613	659	634	484	517	670	524	606
53 Thompson Falls	42	38	31	44	49	39	52	37	44	33	44	84	81	61	50
54 Upper Baker	29	23	20	21	29	50	29	8.9	22	34	32	55	48	58	33
55 Upper Falls	5	5.2	5.5	4.8	4.1	10	10	5.8	10	9.5	8.6	8.3	9.3	9.7	7.7

Continued

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Wanapum	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
Total Regulated Hydro w/Enc.	12214	10481	9580	10214	11807	12209	9740	9207	9798	10253	9148	9936	14187	12194	10827
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8258	6947	5963	6199	7181	7061	5466	5731	5965	5731	5048	5959	8317	7743	6548
60 Public Entities	1606	1369	1553	1814	2092	2365	1933	1444	1588	1689	1427	1605	2784	2046	1856
61 Investor-Owned Entities	2122	1959	1899	2013	2310	2565	2170	1859	2065	2652	2511	2232	2866	2211	2234
62 Other Entities	228	206	165	188	224	218	172	172	179	181	162	140	220	195	189
63 Total Regulated Hydro w/Enc.	12214	10481	9580	10214	11807	12209	9740	9207	9798	10253	9148	9936	14187	12194	10827

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Table A-4
Independent Hydro Projects
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Bull Run	5	5	4	2	1	15	0	0	0	0	0	0	0	0	2.3
10 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
11 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
12 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
13 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
15 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
17 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 Condit	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
19 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
20 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
21 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
22 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
23 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
24 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
25 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
26 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
27 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
28 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
29 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
30 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
31 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
32 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
33 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
36 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
37 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
38 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
39 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
40 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
41 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
42 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
43 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
44 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
45 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
46 Milltown/Flint Creek	0.3	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
48 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
49 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
50 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
51 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
52 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
53 Powerdale	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	2.8
54 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
55 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
57 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
58 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5
59 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
60 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
61 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
62 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
63 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
64 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
65 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
66 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
67 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
68 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
69 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
70 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
71 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
72 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
73 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
74 Wallerville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
75 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
76 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	988	1013	949	957	889	980	743	736	877	1136	1190	1506	1539	1100	1037
<i>-Total Independent Hydro W/Enc.-</i>															
77 Federal System	417	415	347	336	270	207	144	153	232	389	472	665	702	410	359
78 Public Entities	108	118	113	143	140	205	142	131	170	200	198	266	284	185	174
79 Investor-Owned Entities	463	481	489	478	478	568	456	453	475	548	520	575	552	505	503
80 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81 Total Independent Hydro w/Enc.	988	1013	949	957	889	980	743	736	877	1136	1190	1506	1539	1100	1037

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Condit	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
23 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
28 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
29 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
30 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
35 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
36 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
37 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
39 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
40 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
42 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
43 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
44 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
46 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
49 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
50 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
51 Powerdale	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	2.8
52 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
53 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
54 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
55 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5
57 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
58 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
59 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
60 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
61 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
63 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
64 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
65 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
66 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
67 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
68 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
69 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
70 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
71 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
73 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
74 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	983	1008	945	955	888	965	743	736	877	1136	1190	1506	1539	1100	1034
<i>-Total Independent Hydro W/Enc.-</i>															
75 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
76 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
77 Investor-Owned Entities	457	475	485	476	477	553	456	453	475	548	520	575	552	505	501
78 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total Independent Hydro w/Enc.	983	1008	945	955	888	965	743	736	877	1136	1190	1506	1539	1100	1034

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Condit	8.4	8.4	8.4	8.4	0	0	0	0	0	0	0	0	0	0	2.1
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
23 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
28 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
29 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
30 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
35 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
36 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
37 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
39 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
40 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
42 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
43 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
44 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
46 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
49 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
50 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
51 Powerdale	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	2.8
52 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
53 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
54 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
55 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5
57 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
58 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
59 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
60 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
61 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
63 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
64 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
65 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
66 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
67 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
68 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
69 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
70 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
71 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72 Waltherville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
73 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
74 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	983	1008	945	955	880	956	734	728	868	1127	1182	1498	1530	1092	1028
<i>-Total Independent Hydro W/Enc.-</i>															
75 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
76 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
77 Investor-Owned Entities	457	475	485	476	469	544	448	444	467	539	511	567	544	497	494
78 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total Independent Hydro w/Enc.	983	1008	945	955	880	956	734	728	868	1127	1182	1498	1530	1092	1028

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Callispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
18 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
19 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
20 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
21 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
22 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
27 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
28 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
29 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
34 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
35 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
36 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
38 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
39 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
41 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
42 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
43 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
45 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
50 Powerdale	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0	0	0	2.1
51 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
54 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
57 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
60 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
62 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
64 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
65 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	14	14	9.3
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
68 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
69 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
70 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
71 Watterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
72 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
73 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	974	999	936	947	880	956	734	728	868	1127	1182	1495	1541	1103	1028
<i>-Total Independent Hydro W/Enc.-</i>															
74 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
75 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
76 Investor-Owned Entities	449	467	476	468	469	544	448	444	467	539	511	564	555	508	494
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	974	999	936	947	880	956	734	728	868	1127	1182	1495	1541	1103	1028

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Callispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
18 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
19 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
20 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
21 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
22 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
27 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
28 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
29 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
34 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
35 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
36 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
38 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
39 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
41 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
42 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
43 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
45 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
50 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 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	6.5
55 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
57 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
63 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
64 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
67 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
68 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
69 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70 Wallerville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
71 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
72 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>-Total Independent Hydro W/Enc.-</i>															
73 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
74 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
75 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Callispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
18 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
19 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
20 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
21 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
22 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
27 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
28 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
29 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
34 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
35 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
36 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
38 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
39 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
41 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
42 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
43 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
45 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
50 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 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	6.5
55 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
57 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
63 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
64 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
67 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
68 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
69 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70 Wallerville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
71 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
72 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>-Total Independent Hydro W/Enc.-</i>															
73 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
74 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
75 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
9 Callispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
10 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
11 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
12 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
13 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
14 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
15 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
16 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
17 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
18 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
19 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
20 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
21 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
22 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
23 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
24 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
25 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
26 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
27 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
28 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
29 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
30 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
31 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
32 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
34 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
35 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
36 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
37 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
38 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
39 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
40 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
41 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
42 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
43 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
44 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
45 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
46 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
47 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
48 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
49 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
50 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
51 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
52 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
53 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
54 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	6.5
55 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
57 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
58 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
59 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
61 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
62 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
63 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
64 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
66 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
67 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
68 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
69 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70 Wallerville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
71 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
72 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030
<i>-Total Independent Hydro W/Enc.-</i>															
73 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
74 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
75 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
76 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77 Total Independent Hydro w/Enc.	986	1011	947	958	891	954	731	725	866	1125	1179	1495	1541	1103	1030

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Blue River	0	0	0	0	0	0	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	1.5
9 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
10 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
11 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
12 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
13 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
15 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
17 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
23 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
28 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
29 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
30 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
35 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
36 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
37 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
39 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
40 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
42 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
43 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
44 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
46 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
49 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
50 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
51 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
54 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
57 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
60 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
62 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
64 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
65 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
68 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
69 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
70 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
71 Watterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
72 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
73 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	986	1011	947	958	891	954	735	727	868	1127	1182	1498	1544	1106	1032
<i>-Total Independent Hydro W/Enc.-</i>															
74 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
75 Public Entities	127	137	133	143	140	205	146	133	171	202	201	269	286	188	179
76 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	986	1011	947	958	891	954	735	727	868	1127	1182	1498	1544	1106	1032

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
9 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
10 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
11 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
12 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
13 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
15 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
17 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
23 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
28 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
29 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
30 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
35 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
36 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
37 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
39 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
40 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
42 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
43 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
44 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
46 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
49 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
50 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
51 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
54 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
57 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
60 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
62 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
64 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
65 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
68 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
69 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
70 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
71 Watterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
72 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
73 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033
<i>-Total Independent Hydro W/Enc.-</i>															
74 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
75 Public Entities	130	140	135	145	143	209	146	133	171	202	201	269	286	188	180
76 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Independent Hydro Projects-</i>															
1 American Falls	55	55	35	13	0	0	0	0	5.8	20	20	67	70	75	28
2 Anderson Ranch	23	18	11	4.3	5.4	11	16	16	5.1	25	27	11	38	27	16
3 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
4 Big Cliff	8	7	9	13	15	7	4	7	7	10	17	21	21	8	11
5 Big Fork	3.4	3.4	2.4	3.3	3.4	2.6	4.3	3.1	4.1	4.5	4.5	4.3	4.4	4.1	3.7
6 Black Canyon	10	10	7.9	9	5.9	7.1	8.8	4.8	7.9	10	10	10	8.1	7.5	8.1
7 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
8 Blue River	3.4	3.4	2.2	2.2	3.2	3.6	3.4	2.1	1.9	2.5	2.5	2.9	2.4	2.6	2.7
9 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
10 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
11 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
12 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
13 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
14 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
15 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
16 Clear Lake	2.9	3.0	3.3	3.5	3.4	2.9	3.2	2.9	3	3.3	3.1	3.1	3.0	3.4	3.1
17 Cline Falls	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 Cougar	17	24	12	25	24	6	4	6	7	8	29	29	29	11	16
19 Cowlitz Falls	10	10	7.9	6.2	3.1	23	10	14	33	48	48	64	66	29	26
20 Detroit	30	24	32	44	46	20	11	18	20	33	66	106	91	30	41
21 Dexter	6	6	6	12	16	4	4	5	5	10	16	17	17	6	9.3
22 Eagle Point	0	0	0	0	0.4	0.7	0.7	0.9	0.6	0.7	0.7	0.5	0	0	0.4
23 Felt	3.6	3.6	3.8	3.5	3.6	3.1	2.5	2.7	3.4	3.4	3.4	5.1	6.5	4.8	3.8
24 Foster	4	10	4	8	6	14	4	9	21	22	23	23	23	6	12
25 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
26 Green Peter	22	32	4	26	16	34	8	1	33	89	45	59	49	10	28
27 Green Springs - USBR	9.9	8.8	6.5	2.6	3.3	5.2	6.2	5.8	4.9	4.6	4.6	5.0	7.5	9.1	5.8
28 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
29 Hills Creek	7	7	25	23	27	6	6	4	5	19	31	35	35	14	18
30 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
31 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
32 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
33 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
34 Island Park	3.3	3.1	1.8	1.4	1.5	1.5	1.7	1.9	1.8	1.8	1.8	3.3	3.9	3.8	2.3
35 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
36 Klamath	12	32	51	53	55	52	55	53	50	44	12	1	0	2	35
37 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
38 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
39 Lookout Point	25	22	24	45	47	9	9	12	15	38	64	80	75	24	35
40 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
41 Lower Malad	4.0	4.2	4.6	4.8	4.7	4	4.5	4	4.3	4.6	4.3	4.4	4.2	4.7	4.4
42 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
43 McNary Fishway	9.2	8.6	9.5	9.5	9.5	9.4	3.7	8.9	9.4	9.3	9.3	9.3	9.3	8.7	8.8
44 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
45 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
46 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
47 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
48 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
49 Packwood	6.1	16	5.3	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	9.9
50 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
51 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
52 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
53 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
54 Shoshone Falls	10	10	12	8.4	12	12	12	12	7.4	6.5	6.5	5.7	5.4	6.3	9.2
55 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
57 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
58 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
59 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
60 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
61 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
62 The Dalles Fishway	5.1	4.8	4.9	5	5	3.4	3.2	3.2	4.7	4.8	4.8	4.7	4.7	4.9	4.5
63 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
64 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
65 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
66 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
67 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
68 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
69 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
70 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
71 Watterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
72 Wynochee	1.2	1.1	2.1	3.6	6.4	7.5	8.0	5.7	3.9	0.8	0.8	0	0	1.5	3.4
73 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
Total Independent Hydro w/Enc.	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033
<i>-Total Independent Hydro W/Enc.-</i>															
74 Federal System	398	396	327	336	270	207	144	153	232	389	472	665	702	410	356
75 Public Entities	130	140	135	145	143	209	146	133	171	202	201	269	286	188	180
76 Investor-Owned Entities	460	478	488	479	480	541	445	442	464	536	508	564	555	508	496
77 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 Total Independent Hydro w/Enc.	989	1014	950	960	894	957	735	727	868	1127	1182	1498	1544	1106	1033

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Table A-5
Imports
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 BEPC to NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE to NWE PwrS	177	150	148	163	79	115	101	102	67	85	105	194	208	197	136
3 Other Entities to CKPD	10	10	10	0	0	0	0	0	0	0	0	0	0	0	1.7
4 Other Entities to IPC	46	46	0	0	0	0	0	0	0	0	0	0	46	43	11
5 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 PPL to PPL PwrS	126	126	137	132	158	176	165	155	115	122	122	88	143	140	138
7 Total Imports From ECD	373	346	337	404	482	590	539	485	383	381	401	283	415	414	423
<i>-Imports From Pacific Southwest-</i>															
8 BURB to BPA XchgNrg	2.6	2.6	2.6	2.6	3.7	5	5	5	5	4	3.6	2.6	2.6	2.6	3.6
9 BURB to BPA PkRepl	5.5	5.4	5.4	3.8	2.7	2.6	2.7	2.7	2.7	2.7	2.5	4.2	5.4	5.2	3.8
10 GLEN to BPA XchgNrg	2.9	2.9	2.9	2.9	4.2	5.6	5.6	5.6	5.6	5.7	2.8	2.9	2.9	2.9	4
11 GLEN to BPA PkRepl	6.1	6	6	4.3	3	2.9	3	3.0	3	3	2.8	4.7	6	5.8	4.2
12 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
13 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
14 PASA to BPA XchgNrg	1.7	1.7	1.7	1.7	2.5	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	2.4
15 PASA to BPA PkRepl	3.7	3.6	3.6	2.6	1.8	1.7	1.8	1.8	1.8	1.8	1.7	2.8	3.6	3.5	2.5
16 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
17 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
18 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
19 PG&E to PSE S/Pwr/X	0	0	0	0	134	195	116	61	0	0	0	0	0	0	42
20 RVSD to BPA XchgNrg	0	0	0	6.0	5.7	6.0	5.7	5.8	5.7	6.3	0	0	0	0	3.2
21 RVSD to BPA PkRepl	0	0	0	0	4.9	4.5	4.9	4.8	4.7	4.9	4.4	7.1	0	0	3.0
22 RVSD to BPA PkRepl	7.2	7.1	6.7	6.8	0	0	0	0	0	0	0	0	6.7	6.8	2.8
23 RVSD to BPA XchgNrg	0	0	0	0	16	17	16	16	15	17	0	0	0	0	7.4
24 RVSD to BPA S/Pwr/X	0	0	0	0	9.6	10	9.6	9.3	9.1	10	0	0	0	0	4.4
25 RVSD to BPA PkRepl	11	11	10	11	2.8	2.5	2.8	2.7	2.8	2.8	2.5	0	0	11	4.9
26 Total Imports From PSW	45	45	48	45	230	301	222	165	91	68	28	26	29	44	108
<i>-Imports From Inland Southwest-</i>															
27 Other Entities to BPA	50	50	50	50	50	50	0	0	0	0	0	0	0	0	21
28 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
29 UPL to UPL PwrS	490	490	444	399	385	409	396	407	410	395	395	436	494	579	437
30 WAPA to GLEC ARP	3.3	3.3	3.1	0	0	0	0	0	0	0	0	0	0	0	0.5
31 Total Imports From ISW	618	618	572	494	480	504	441	452	455	470	470	511	569	654	518
<i>-Imports From Canada-</i>															
32 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
33 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
34 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
35 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
36 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
37 Federal System	184	184	216	250	318	377	300	255	224	227	187	102	123	154	226
38 Public Entities	31	31	26	18	59	75	88	97	89	34	34	26	36	24	50
39 Investor-Owned Entities	842	815	731	697	852	991	876	822	678	688	708	720	892	962	812
40 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Total Imports.	1057	1029	974	965	1230	1443	1264	1174	992	949	929	848	1052	1139	1089

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 BEPC to NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE to NWE PwrS	181	154	152	166	82	118	105	106	70	89	108	198	211	201	140
3 Other Entities to IPC	46	46	0	0	0	0	0	0	0	0	0	0	44	45	11
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 PPL to PPL PwrS	160	160	98	136	152	200	140	182	144	146	146	135	169	178	153
6 Total Imports From ECD	400	373	291	410	479	618	518	517	416	409	428	333	442	458	441
<i>-Imports From Pacific Southwest-</i>															
7 BURB to BPA XchgNrg	2.6	2.6	2.6	2.6	3.7	5	5	5	5	5	0	0	0	0	2.8
8 BURB to BPA PkRepl	5.5	5.4	5.2	3.9	2.7	2.6	2.7	2.7	2.6	2.7	0	0	0	0	2.4
9 GLEN to BPA XchgNrg	2.9	2.9	2.9	2.9	4.1	5.6	5.6	5.6	5.6	5.6	0	0	0	0	3.2
10 GLEN to BPA PkRepl	6.1	6	5.8	4.4	3	2.9	3	3.0	2.9	3	0	0	0	0	2.7
11 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
12 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
13 PASA to BPA XchgNrg	1.7	1.7	1.7	1.7	2.5	3.3	3.3	3.3	3.3	3.3	0	0	0	0	1.9
14 PASA to BPA PkRepl	3.7	3.6	3.5	2.6	1.8	1.7	1.8	1.8	1.7	1.8	0	0	0	0	1.6
15 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
16 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
17 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
18 PG&E to PSE S/Pwr/X	0	0	0	0	134	195	116	61	0	0	0	0	0	0	42
19 RVSD to BPA XchgNrg	0	0	0	5.7	5.7	6.0	5.7	5.8	6.0	5.7	0	0	0	0	3.1
20 RVSD to BPA PkRepl	0	0	0	0	4.9	4.5	4.9	4.8	4.5	4.9	4.9	6.8	0	0	2.9
21 RVSD to BPA PkRepl	7.2	7.1	6.4	7.1	0	0	0	0	0	0	0	0	6.7	7.1	2.9
22 RVSD to BPA XchgNrg	0	0	0	0	16	17	16	15	16	15	0	0	0	0	7.4
23 RVSD to BPA S/Pwr/X	0	0	0	0	9.5	9.9	9.4	9.1	9.4	9	0	0	0	0	4.3
24 RVSD to BPA PkRepl	11	11	10	11	2.8	2.5	2.8	2.6	2.5	2.7	2.8	0	0	11	4.9
25 Total Imports From PSW	45	45	47	46	230	301	222	165	92	65	14	6.8	6.7	23	102
<i>-Imports From Inland Southwest-</i>															
26 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
27 UPL to UPL PwrS	493	493	447	403	389	412	398	408	410	394	394	439	499	579	439
28 Total Imports From ISW	568	568	522	448	434	457	443	453	455	469	469	514	574	654	499
<i>-Imports From Canada-</i>															
29 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
31 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
32 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
33 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
34 Federal System	134	134	165	200	268	326	299	254	225	225	173	83	101	132	199
35 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
36 Investor-Owned Entities	882	855	699	708	853	1022	857	854	711	715	734	774	925	1006	833
37 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total Imports.	1034	1007	877	927	1180	1423	1244	1206	1025	974	941	882	1062	1162	1081

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 BEPC to NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE to NWE PwrS	203	355	353	234	86	122	109	110	73	92	112	201	125	204	167
3 Other Entities to IPC	45	45	0	0	0	0	0	0	0	0	0	0	46	45	11
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 PPL to PPL PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Imports From ECD	260	413	396	343	331	422	382	339	274	266	286	202	190	283	314
<i>-Imports From Pacific Southwest-</i>															
7 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
8 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
9 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
10 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
11 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
12 PG&E to PSE S/Pwr/X	0	0	0	0	134	195	0	0	0	0	0	0	0	0	27
13 RVSD to BPA XchgNrg	0	0	0	5.7	6.1	5.7	5.7	5.8	6	5.7	0	0	0	0	3.2
14 RVSD to BPA PkRepl	0	0	0	0	4.4	4.9	4.7	4.8	4.7	4.9	4.9	6.5	0	0	2.9
15 RVSD to BPA PkRepl	6.2	6.8	7	7.1	0	0	0	0	0	0	0	0	7	7.1	2.9
16 RVSD to BPA XchgNrg	0	0	0	0	17	16	16	16	16	15	0	0	0	0	7.4
17 RVSD to BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.4	9.2	9.4	9.0	0	0	0	0	4.3
18 RVSD to BPA PkRepl	9.7	11	11	11	2.5	2.8	2.7	2.7	2.7	2.7	2.8	0	0	11	5.0
19 Total Imports From PSW	20	22	27	28	213	279	84	83	71	44	14	6.5	7	23	73
<i>-Imports From Inland Southwest-</i>															
20 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
21 UPL to UPL PwrS	492	492	451	405	391	413	397	405	409	396	396	442	506	580	441
22 Total Imports From ISW	567	567	526	450	436	458	442	450	454	471	471	517	581	655	501
<i>-Imports From Canada-</i>															
23 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
25 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
26 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
27 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
28 Federal System	109	111	145	182	251	304	278	233	204	203	173	83	101	132	184
29 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
30 Investor-Owned Entities	741	894	807	642	707	827	604	612	568	574	594	645	680	831	694
31 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Total Imports.	868	1022	965	843	1017	1206	969	943	862	811	801	753	817	988	926

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 BEPC to NWE PwrS	0	0	0	0	84	84	84	84	84	84	84	0	0	0	42
2 NWE to NWE PwrS	188	160	158	173	89	126	112	113	77	95	115	205	219	208	147
3 Other Entities to IPC	45	45	0	0	0	0	0	0	0	0	0	0	0	0	3.7
4 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 Total Imports From ECD	245	217	200	281	334	426	385	342	278	269	289	206	237	242	287
<i>-Imports From Pacific Southwest-</i>															
6 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
7 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
8 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
9 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
10 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
11 RVSD to BPA XchgNrg	0	0	0	5.7	6.1	5.7	6	5.8	5.7	5.7	0	0	0	0	3.2
12 RVSD to BPA PkRepl	0	0	0	0	4.7	4.9	4.5	4.8	4.9	4.9	4.9	6.5	0	0	2.9
13 RVSD to BPA PkRepl	6.2	6.8	7	6.8	0	0	0	0	0	0	0	0	0	0	1.7
14 RVSD to BPA XchgNrg	0	0	0	0	17	16	17	16	15	15	0	0	0	0	7.4
15 RVSD to BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.9	9.2	9.0	9.0	0	0	0	0	4.3
16 RVSD to BPA PkRepl	9.7	11	11	11	2.6	2.8	2.5	2.7	2.8	2.7	2.8	0	0	11	4.9
17 Total Imports From PSW	20	22	27	27	80	83	85	83	70	44	14	6.5	0	15	44
<i>-Imports From Inland Southwest-</i>															
18 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
19 UPL to UPL PwrS	495	495	455	409	396	415	396	406	411	397	397	445	512	581	443
20 Total Imports From ISW	570	570	530	454	441	460	441	451	456	472	472	520	587	656	503
<i>-Imports From Canada-</i>															
21 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
23 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
24 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
25 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
26 Federal System	109	111	145	182	251	304	279	233	203	203	173	83	94	125	183
27 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
28 Investor-Owned Entities	729	701	616	585	582	637	606	616	574	578	598	652	733	792	641
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Imports.	856	830	774	785	892	1017	973	947	867	815	805	760	863	940	873

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE to NWE PwrS	191	163	161	176	177	214	111	111	75	94	113	120	133	123	140
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	204	176	203	284	338	430	300	256	192	184	203	120	152	157	234
<i>-Imports From Pacific Southwest-</i>															
4 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
6 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
7 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
8 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 RVSD to BPA XchgNrg	0	0	0	0	16	16	17	16	16	16	0	0	0	0	7.4
10 RVSD to BPA S/Pwr/X	0	0	0	0	10.0	9.4	9.9	9.2	9.0	9.0	0	0	0	0	4.3
11 RVSD to BPA PkRepl	11	10	11	10	2.8	2.8	2.5	2.7	2.8	2.6	2.6	0	0	10	4.8
12 Total Imports From PSW	16	15	20	14	68	73	74	73	60	34	8.8	0	0	15	36
<i>-Imports From Inland Southwest-</i>															
13 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
14 UPL to UPL PwrS	499	499	460	411	399	417	397	406	412	400	400	450	519	582	446
15 Total Imports From ISW	574	574	535	456	444	462	442	451	457	475	475	525	594	657	506
<i>-Imports From Canada-</i>															
16 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
18 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
19 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
20 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
21 Federal System	105	103	138	169	240	294	268	223	193	193	168	76	94	124	175
22 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
23 Investor-Owned Entities	692	664	624	590	589	643	522	531	489	496	515	572	654	707	592
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports.	814	785	775	777	888	1012	878	851	771	723	717	674	785	856	815

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE to NWE PwrS	105	77	76	91	90	129	114	114	78	97	117	124	137	127	107
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	118	90	118	199	251	344	303	259	195	187	207	124	156	161	201
<i>-Imports From Pacific Southwest-</i>															
4 GLEN to PGE S/Pwr/X	0	0	0	0	11	10	11	11	0	0	0	0	0	0	3.6
5 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
6 PASA to BPA XchgNrg	0	0	3.5	3.5	3.5	3.5	3.5	3.5	1.7	0	0	0	0	0	1.9
7 PASA to BPA S/N/X	0	0	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0	0	0	0	0	0.4
8 PASA to BPA PkRepl	4.5	4.5	4.5	0	0	0	0	0	0	0	0	0	0	4.5	1.1
9 RVSD to BPA XchgNrg	0	0	0	0	16	16	17	16	16	17	0	0	0	0	7.4
10 RVSD to BPA S/Pwr/X	0	0	0	0	9.3	9.2	9.7	9.4	9.2	10	0	0	0	0	4.3
11 RVSD to BPA PkRepl	11	11	10	10	2.8	2.7	2.7	2.7	2.7	2.8	2.5	0	0	11	4.9
12 Total Imports From PSW	16	16	19	14	68	72	74	73	60	37	8.7	0	0	15	36
<i>-Imports From Inland Southwest-</i>															
13 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
14 UPL to UPL PwrS	507	507	465	416	404	420	403	416	421	406	406	452	511	586	451
15 Total Imports From ISW	582	582	540	461	449	465	448	461	466	481	481	527	586	661	511
<i>-Imports From Canada-</i>															
16 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
18 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
19 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
20 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
21 Federal System	105	104	137	169	239	293	268	223	193	196	168	76	94	125	175
22 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
23 Investor-Owned Entities	614	586	544	510	507	561	531	544	501	505	525	578	650	715	563
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Total Imports.	737	708	694	697	805	929	886	864	783	734	727	680	781	864	786

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Imports From East of Continental Divide-</i>															
1 NWE to NWE PwrS	119	91	90	104	105	145	130	130	92	110	132	141	153	142	122
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
3 Total Imports From ECD	132	104	132	212	266	360	319	275	209	200	222	141	172	176	216
<i>-Imports From Pacific Southwest-</i>															
4 NCPA to SCL S/Pwr/X	0	0	0	0	24	30	30	30	30	6.2	6.2	0	0	0	13
5 RVSD to BPA XchgNrg	0	0	0	0	17	16	17	16	16	16	0	0	0	0	7.4
6 RVSD to BPA S/Pwr/X	0	0	0	0	9.7	9.2	9.6	9.3	9.2	9.2	0	0	0	0	4.3
7 RVSD to BPA PkRepl	9.7	11	11	11	2.6	2.8	2.5	2.7	2.8	2.6	2.6	0	0	0	4.0
8 Total Imports From PSW	9.7	11	11	11	53	58	59	58	58	34	8.8	0	0	0	28
<i>-Imports From Inland Southwest-</i>															
9 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
10 UPL to UPL PwrS	519	519	474	423	406	426	411	425	430	414	414	464	524	602	460
11 Total Imports From ISW	594	594	549	468	451	471	456	470	475	489	489	539	599	677	520
<i>-Imports From Canada-</i>															
12 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
14 Other Entities to PSE	1.8	1.8	2.7	2.5	2.2	1.8	2.7	2.7	2.5	2.2	2.2	1.8	1.7	1.8	2.2
15 Total Imports From Canada	20	20	17	22	38	48	62	71	63	30	30	28	39	27	39
<i>-Imports From Other Entities-</i>															
16 Total Imports From Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Total Imports-</i>															
17 Federal System	99	99	129	165	236	289	263	219	191	193	168	76	94	110	171
18 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
19 Investor-Owned Entities	640	612	567	530	513	573	543	558	524	526	548	607	679	746	584
20 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 Total Imports.	757	729	709	713	808	937	895	874	804	753	750	709	810	880	803

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Table A-6
Small Thermal & Miscellaneous
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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

3/31/2006

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

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Table A-7
Combustion Turbines
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	233	233	236	180	180	180	180	180	180	180	180	165	180	180	188
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	352	352	355	299	300	301	301	300	298	298	298	280	298	298	307
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	451	408	469	476	463	473	227	464	464	411	376	445	426
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	2.5	2.6	3.8	0.1	3.9	3.8	0	0.3	3.8	0	0	0	3.7	0.3	1.9
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	24	25	25	25	25	25	24	24	24
19 Danskin	0.3	0.3	2	0	2	2	0	0	2	0	0	0	1.9	0	0.9
20 Encogen	153	153	168	157	131	109	82	92	65	62	62	49	46	139	104
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.7	3.6	6.5	6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	0	0	0	0	0	0	0	0	0	0	0	396	396	396	99
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1061	1089	1165	1017	1023	1008	980	983	715	943	943	1027	1238	1400	1048
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	352	352	355	299	300	301	301	300	298	298	298	280	298	298	307
38 Investor-Owned Entities	1061	1089	1165	1017	1023	1008	980	983	715	943	943	1027	1238	1400	1048
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2393	2422	2500	2296	2309	2300	2272	2274	1994	1941	1941	2029	2047	2679	2254

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	180	180	180	180	180	180	180	180	180	180	180	78	180	180	172
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	298	298	298	299	300	301	301	300	298	298	298	194	298	298	290
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	398	460	469	476	476	414	242	448	448	457	381	445	426
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	3.8	4	4.2	0	3.9	3.8	0	0.1	3.8	0	0	0	3.7	0.9	2
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	24	25	25	25	25	25	24	24	24
19 Danskin	0.6	0.7	2	0	2	2	0	0	2	0	0	0	1.9	0	0.9
20 Encogen	158	158	168	155	137	133	75	72	69	61	61	50	57	133	106
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.3	5.2	6.5	6.3
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1464	1492	1509	1462	1425	1428	1382	1299	1130	1322	1322	879	1255	1395	1330
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	298	298	298	299	300	301	301	300	298	298	298	194	298	298	290
38 Investor-Owned Entities	1464	1492	1509	1462	1425	1428	1382	1299	1130	1322	1322	879	1255	1395	1330
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2743	2771	2787	2742	2711	2720	2673	2590	2409	2320	2320	1795	2065	2673	2520

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	180	180	180	180	180	180	180	180	180	180	180	165	180	180	179
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	298	298	298	299	300	301	301	300	298	298	298	280	298	298	298
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	451	435	443	476	476	473	214	464	464	457	451	445	436
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	1.9	2.1	6.6	0	3.9	3.8	0	0	3.8	0	0	0	3.8	1.4	2.1
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	25	24	24	25	25	25	24	24	24
19 Danskin	0.1	0.1	2	0	2	2	0	0	2	0	0	0	1.9	0	0.8
20 Encogen	155	155	168	159	133	139	76	74	69	49	49	59	47	129	105
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	2.1	0.3	6.5	5.6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1458	1487	1564	1441	1395	1434	1383	1360	1101	1326	1326	885	1311	1391	1339
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	298	298	298	299	300	301	301	300	298	298	298	280	298	298	298
38 Investor-Owned Entities	1458	1487	1564	1441	1395	1434	1383	1360	1101	1326	1326	885	1311	1391	1339
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2737	2765	2843	2721	2681	2726	2675	2651	2380	2324	2324	1887	2120	2670	2536

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	180	180	180	180	180	180	180	180	180	180	180	0	180	180	165
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	298	298	298	299	300	301	301	300	298	298	298	116	298	298	284
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	451	460	456	476	476	459	214	379	379	457	451	433	430
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	3.7	4.0	7.1	0.1	3.9	3.8	0	0	3.8	0	0	0	3.7	3.0	2.4
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	24	24	25	24	24	25	25	25	25	25	24
19 Danskin	0.3	0.3	2.1	0	2	2	0	0	2	0	0	0	1.9	0.2	0.9
20 Encogen	156	156	166	153	134	138	73	75	63	49	49	49	55	127	103
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	3.6	6.5	6.3
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1461	1490	1563	1460	1409	1433	1380	1347	1096	1241	1241	880	1322	1380	1332
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	298	298	298	299	300	301	301	300	298	298	298	116	298	298	284
38 Investor-Owned Entities	1461	1490	1563	1460	1409	1433	1380	1347	1096	1241	1241	880	1322	1380	1332
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2740	2768	2841	2740	2694	2724	2672	2638	2375	2239	2239	1717	2131	2658	2515

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	188	188	188	188	188	188	188	188	188	188	188	0	188	188	172
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	306	306	306	307	307	308	309	308	306	306	306	116	306	306	291
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	8.3	8.9	13	0	3.9	3.8	0	0.3	3.8	0	0	0	3.8	1.6	3.2
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	24	24	25	25	25	25	24	24	24	25	25	25	24	24	24
19 Danskin	1.4	1.5	3	0	2	2	0	0	2	0	0	0	1.9	0	1
20 Encogen	155	155	168	156	113	117	53	75	58	51	51	49	53	116	97
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.7	3.6	6.5	6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1466	1494	1558	1384	1401	1412	1360	1361	1104	1328	1328	877	1320	1378	1330
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	306	306	306	307	307	308	309	308	306	306	306	116	306	306	291
38 Investor-Owned Entities	1466	1494	1558	1384	1401	1412	1360	1361	1104	1328	1328	877	1320	1378	1330
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2752	2781	2844	2672	2694	2711	2659	2659	2390	2333	2333	1714	2136	2665	2520

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	196	196	196	196	196	196	196	196	196	196	196	165	196	196	194
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	314	314	314	315	316	317	317	316	314	314	314	281	314	314	312
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	9.3	9.9	17	0	4	3.8	0	0.1	3.8	0	0	0	3.7	0.3	3.5
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	24	24	24	25	25	25	25	25	24
19 Danskin	1.7	1.8	4.3	0	2	2	0	0	2	0	0	0	1.9	0	1.2
20 Encogen	152	152	164	141	103	121	65	65	54	47	47	43	51	116	94
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	2.0	6.5	6.2
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1464	1493	1560	1369	1391	1416	1372	1351	1100	1324	1324	874	1317	1378	1328
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	314	314	314	315	316	317	317	316	314	314	314	281	314	314	312
38 Investor-Owned Entities	1464	1493	1560	1369	1391	1416	1372	1351	1100	1324	1324	874	1317	1378	1328
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2759	2788	2855	2665	2693	2724	2680	2658	2395	2338	2338	1876	2142	2673	2539

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	201	201	201	201	201	201	201	201	201	201	201	165	201	201	198
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	319	319	319	320	321	322	322	321	319	319	319	281	319	319	317
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	3.4	3.7	11	0.2	3.9	3.8	0	0.1	3.8	0	0	0	3.7	0.9	2.6
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	24	24	24	24	24	25	25	25	24
19 Danskin	0.2	0.2	2.5	0	2	2	0	0	2	0	0	0	1.9	0	0.9
20 Encogen	151	151	159	130	101	105	64	64	57	48	48	41	41	105	89
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.3	2.0	6.5	6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1456	1484	1547	1359	1389	1400	1371	1350	1103	1325	1325	870	1307	1367	1322
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	319	319	319	320	321	322	322	321	319	319	319	281	319	319	317
38 Investor-Owned Entities	1456	1484	1547	1359	1389	1400	1371	1350	1103	1325	1325	870	1307	1367	1322
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2756	2784	2847	2659	2696	2713	2684	2662	2402	2343	2343	1873	2137	2667	2538

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	330	330	330	331	332	333	333	332	330	330	330	194	330	330	320
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	4.4	4.7	14	0.2	3.9	3.8	0	0.2	3.8	0	0	0	3.7	0.3	2.9
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	24	24	24	24	24	25	25	25	24
19 Danskin	0.4	0.4	3.7	0	2	2	0	0.1	2	0	0	0	1.9	0	1
20 Encogen	142	142	155	123	88	89	64	71	63	47	47	48	46	105	87
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.7	6.9	6.5	6.3
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1448	1477	1547	1352	1376	1384	1371	1357	1109	1324	1324	876	1316	1367	1320
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	330	330	330	331	332	333	333	332	330	330	330	194	330	330	320
38 Investor-Owned Entities	1448	1477	1547	1352	1376	1384	1371	1357	1109	1324	1324	876	1316	1367	1320
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2759	2787	2858	2663	2693	2707	2694	2680	2419	2353	2353	1791	2157	2677	2539

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	223	223	223	223	223	223	223	223	223	223	223	165	223	223	218
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	341	341	341	342	342	343	344	343	341	341	341	281	341	341	337
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	3.3	3.6	11	0	3.9	3.8	0	0	3.8	0	0	0	3.7	0.2	2.5
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	24	24	25
19 Danskin	0.2	0.2	3	0	2	2	0	0	2	0	0	0	1.9	0	0.9
20 Encogen	151	151	159	130	101	105	64	64	57	48	48	41	41	105	89
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.3	3.6	6.5	6.2
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1456	1484	1547	1358	1389	1400	1371	1350	1103	1325	1325	870	1308	1366	1322
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	341	341	341	342	342	343	344	343	341	341	341	281	341	341	337
38 Investor-Owned Entities	1456	1484	1547	1358	1389	1400	1371	1350	1103	1325	1325	870	1308	1366	1322
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2777	2806	2869	2681	2717	2734	2706	2684	2425	2365	2365	1873	2159	2688	2558

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 Boundary CT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Finley CT	0	0	0	1	1.5	2.5	3	2	0	0	0	0	0	0	0.8
4 Frederickson CT	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114
5 Hoquiam Diesels	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Olympic View Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Pasco Harbor Generating Station	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8 Randolph Road Diesel Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 River Road	223	223	223	223	223	223	223	223	223	223	223	165	223	223	218
10 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Wauna Peaking Project	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.3
12 Total Public Entities	341	341	341	342	342	343	344	343	341	341	341	281	341	341	337
<i>-Investor-Owned Entities-</i>															
13 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
14 Beaver	445	445	438	381	469	476	476	473	227	464	464	457	451	445	434
15 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16 Bennett Mountain	3.9	4.1	10	0	3.9	3.8	0	0	3.8	0	0	0	3.7	0.2	2.5
17 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
18 Boulder Park	25	25	25	25	25	25	25	25	25	24	24	25	25	25	25
19 Danskin	0.4	0.5	2.9	0	2	2	0	0	2	0	0	0	1.9	0	0.9
20 Encogen	151	151	159	130	101	105	64	64	57	48	48	41	41	105	89
21 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
22 Fredonia 1&2	12	40	25	25	0	0	0	0	0	0	0	0	0	0	6.3
23 Fredonia 3&4	11	11	20	5	0	0	0	0	0	0	0	0	0	3	3.3
24 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
25 Kettle Falls CT	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	3.7	3.6	6.5	6
26 Northeastern 1 & 2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27 Port Westward CCCT	396	396	396	396	396	396	396	396	396	396	396	200	396	396	380
28 Whitehorn 2 & 3	20	20	52	0	0	0	0	0	0	0	0	0	0	0	6
29 Total Investor-Owned Entities	1457	1485	1547	1358	1389	1400	1371	1350	1103	1324	1324	869	1308	1367	1322
<i>-Other Entities-</i>															
30 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
31 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
32 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
33 Klamath Peaking Unit	15	15	15	15	20	25	25	25	15	0	0	0	0	15	14
34 Lancaster Power Project (Rathdrum)	267	267	267	267	267	267	267	267	267	0	0	267	267	267	244
35 Total Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
<i>-Combustion Turbines-</i>															
36 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Public Entities	341	341	341	342	342	343	344	343	341	341	341	281	341	341	337
38 Investor-Owned Entities	1457	1485	1547	1358	1389	1400	1371	1350	1103	1324	1324	869	1308	1367	1322
39 Other Entities	980	980	980	980	985	990	990	990	980	699	699	722	511	980	899
40 Total Combustion Turbines	2778	2806	2868	2681	2717	2734	2706	2684	2425	2364	2364	1871	2160	2688	2558

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Table A-8
Renewable Resources
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	24	24	46	42
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	27	49	45
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	27	49	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	61	51	81	80

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	35	46	44
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	38	49	47
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	38	49	47
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	72	62	81	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	14	2	46	40
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	17	4.6	49	42
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	17	4.6	49	42
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	51	29	81	77

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	46	24	46	44
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	49	27	49	47
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	49	27	49	47
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	83	51	81	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	24	24	46	42
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	27	49	45
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	27	49	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	61	51	81	80

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	46	13	46	43
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	49	16	49	46
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	49	16	49	46
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	83	40	81	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	13	46	42
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	16	49	45
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	16	49	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	72	40	81	80

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	24	46	46	44
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	49	49	47
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	27	49	49	47
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	61	73	81	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	24	46	43
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	27	49	46
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	38	27	49	46
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	72	51	81	81

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Georgia-Pacific Paper (Wauna)	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
2 Total Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
<i>-Public Entities-</i>															
3 Coffin Butte	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
4 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5 Short Mountain	2.1	2.1	1.9	1.9	1.8	2.0	1.9	2.0	2.0	2	2	2.1	2	2.0	2.0
6 Total Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
<i>-Investor-Owned Entities-</i>															
7 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
8 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	25	24	46	42
9 Total Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	28	27	49	45
<i>-Other Entities-</i>															
10 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Renewable Resources-</i>															
11 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
12 Public Entities	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13 Investor-Owned Entities	49	49	49	49	49	49	49	49	49	49	49	28	27	49	45
14 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Total Renewable Resources	81	81	81	83	85	87	88	87	86	86	86	62	51	81	80

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Table A-9
Cogeneration
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor Owned Entities-</i>															
4 Coyote Springs #1	203	203	97	215	221	226	226	224	220	216	216	211	207	203	206
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	859	982	993	999	1000	996	990	983	983	483	966	958	931
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	859	982	993	999	1000	996	990	983	983	483	966	958	931
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	1984	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1984

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor Owned Entities-</i>															
4 Coyote Springs #1	203	203	184	215	221	226	226	196	113	208	208	211	175	203	198
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	946	982	993	999	1000	968	883	975	975	483	934	958	923
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	946	982	993	999	1000	968	883	975	975	483	934	958	923
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2071	2107	2118	2118	2125	2094	1389	2100	2100	1381	2059	2076	1977

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	165	216	211	207	203	213
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	932	983	483	966	958	938
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	932	983	483	966	958	938
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2057	2108	1381	2091	2076	1991

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal System-</i>															
1 Total Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>															
2 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
3 Total Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
<i>-Investor-Owned Entities-</i>															
4 Coyote Springs #1	203	203	208	215	221	226	226	224	220	216	216	211	207	203	215
5 Coyote Springs #2	256	256	261	267	271	273	273	272	269	266	266	262	259	254	265
6 Georgia-Pacific Paper (Camas)	48	48	48	48	48	48	48	48	48	48	48	0	48	48	44
7 Hermiston Cogeneration	443	443	443	443	443	443	443	443	443	443	443	0	443	443	406
8 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
9 Total Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
<i>-Other Entities-</i>															
10 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
12 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
13 Longview Fibre	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
14 Total Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
<i>-Cogeneration-</i>															
15 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Public Entities	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
17 Investor-Owned Entities	959	959	970	982	993	999	1000	996	990	983	983	483	966	958	940
18 Other Entities	1110	1110	1110	1110	1110	1110	1110	1110	490	1110	1110	883	1110	1110	1040
19 Total Cogeneration	2085	2085	2095	2107	2118	2118	2125	2122	1496	2108	2108	1381	2091	2076	1993

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Table A-10
Large Thermal
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	48	7	55	55	50
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	310	46	357	357	329
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	70	11	81	81	75
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	48	7	55	55	50
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	475	71	547	547	504
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	133	133	4	40	138	138	138	138	138	138	138	111	138	138	116
11 Colstrip #1: Regional Total	133	133	4	40	138	138	138	138	138	138	138	111	138	138	116
-Colstrip #2: Coal-															
12 Puget Sound Energy	133	133	133	133	133	133	133	133	133	133	27	129	138	138	129
13 Colstrip #2: Regional Total	133	133	133	133	133	133	133	133	133	133	27	129	138	138	129
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	96	96	96	96	96	96	96	96	96	96	96	34	0	96	83
15 Pacific Power	64	64	64	64	64	64	64	64	64	64	64	23	0	64	55
16 Portland General Electric	128	128	128	128	128	128	128	128	128	128	128	45	0	128	110
17 Puget Sound Energy	160	160	160	160	160	160	160	160	160	160	160	57	0	160	138
18 Colstrip #3: Regional Total	448	448	448	448	448	448	448	448	448	448	448	159	0	448	387
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	5	32	161	137
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	11	64	321	274
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	16	96	482	411
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	65	163	163	163	159
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	130	325	325	325	317
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	195	488	488	488	476

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	31	69	159	141
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	61	138	318	282
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	92	207	477	422
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	120	101	101	86	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	120	101	101	86	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	48	7	55	50
45 Investor-Owned Entities	5,264	5,264	5,135	5,171	5,269	5,269	5,269	5,269	5,228	5,249	4,785	3,036	4,170	5,274	4,947
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,318	6,318	6,190	6,225	6,323	6,323	6,323	6,323	6,283	6,304	5,833	3,398	4,391	6,329	5,875

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	18	19	55	55	50
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	119	126	357	357	328
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	27	29	81	81	74
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	18	19	55	55	50
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	183	194	547	547	502
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	9	37	138	119
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	9	37	138	119
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	70	99	97
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	139	199	194
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	46	66	65
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	93	132	129
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	116	166	161
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	463	662	645
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	15	82	154	136
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	30	164	307	272
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	45	246	461	408
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	18	19	55	50
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,206	5,289	4,851	3,815	4,774	5,289	5,098
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,261	6,344	5,869	4,834	5,829	6,344	6,148

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	44	0	9	55	55	48
2 Portland General Electric	357	357	357	357	357	357	357	357	357	286	0	57	357	357	314
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	65	0	13	81	81	71
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	44	0	9	55	55	48
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	438	0	88	547	547	481
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	86	0	0	45	99	99	85
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	173	0	0	90	199	199	171
21 Pacific Power	66	66	66	66	66	66	66	66	58	0	0	30	66	66	57
22 Portland General Electric	132	132	132	132	132	132	132	132	115	0	0	60	132	132	114
23 Puget Sound Energy	166	166	166	166	166	166	166	166	144	0	0	75	166	166	142
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	577	0	0	299	662	662	569
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	64	161	161	161	157
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	129	321	321	321	313
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	193	482	482	482	470
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	5	163	163	150
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	11	325	325	299
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	16	488	488	449

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	64	159	159	159	159	155
34 Pacific Power	318	318	318	318	318	318	318	318	318	127	318	318	318	318	310
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	191	477	477	477	477	465
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	44	0	9	55	55	48
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,121	4,243	3,846	3,331	5,160	5,289	4,997
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,175	5,287	4,846	3,695	5,382	6,344	5,922

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	46	0	13	55	46
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	297	0	83	357	302
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	67	0	19	81	68
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	46	0	13	55	46
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	456	0	128	547	463
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	38	17	99	87
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	26	11	66	58
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	51	22	132	116
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	64	28	166	146
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	179	77	463	408
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	92	123	154	154	154	150
37 Pacific Power	307	307	307	307	307	307	307	307	307	185	246	307	307	307	300
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	277	369	461	461	461	450
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	46	0	13	55	46
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,146	4,479	4,443	4,252	4,526	5,289	5,058
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,201	5,533	5,488	5,252	5,538	6,344	6,104

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	86	41	161	161	148
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	171	83	321	321	295
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	257	124	482	482	443
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	87	141	163	163	163	159
31 Pacific Power	325	325	325	325	325	325	325	325	325	173	282	325	325	325	317
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	260	423	488	488	488	476

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	144	16	159	146
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	287	32	318	292
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	431	48	477	437
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,146	4,435	4,262	4,214	4,731	5,289	5,063
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,201	5,489	5,317	4,580	4,953	6,344	5,990

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	0	0	54	99	99	87
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	0	0	109	199	199	175
21 Pacific Power	66	66	66	66	66	66	66	66	66	0	0	36	66	66	58
22 Portland General Electric	132	132	132	132	132	132	132	132	132	0	0	73	132	132	116
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	0	0	91	166	166	145
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	0	0	363	662	662	582
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	20	138	154	141
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	39	277	307	282
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	59	415	461	424
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,206	4,627	4,627	3,481	5,114	5,289	5,062
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,261	5,682	5,682	4,492	6,169	6,344	6,113

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	38	17	99	87
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	26	11	66	58
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	51	22	132	116
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	64	28	166	146
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	179	77	463	408
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	129	140	161	161	158
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	257	280	321	321	315
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	386	420	482	482	473
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	121	0	76	163	163	163	149
31 Pacific Power	325	325	325	325	325	325	325	325	241	0	152	325	325	325	298
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	362	0	228	488	488	488	446

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	64	159	159	159	155
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	127	318	318	318	310
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	191	477	477	477	465
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,080	4,801	4,601	3,881	4,903	5,289	5,073
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,135	5,856	5,656	4,247	5,124	6,344	6,001

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	28	138	138	138	133
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	71	9	138	122
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	92	123	154	154	154	150
37 Pacific Power	307	307	307	307	307	307	307	307	307	185	246	307	307	307	300
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	277	369	461	461	461	450
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	74	114	114	102	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,206	5,105	5,087	4,214	5,160	5,289	5,166
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,261	6,160	6,141	5,224	6,215	6,344	6,217

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	138	67	9	138	121
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	111	138	138	136
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	463	463	463	463
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	0	0	54	99	99	87
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	0	0	109	199	199	175
21 Pacific Power	66	66	66	66	66	66	66	66	66	0	0	36	66	66	58
22 Portland General Electric	132	132	132	132	132	132	132	132	132	0	0	73	132	132	116
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	0	0	91	166	166	145
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	0	0	363	662	662	582
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	86	41	161	161	148
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	171	83	321	321	295
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	257	124	482	482	443
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	87	141	163	163	163	159
31 Pacific Power	325	325	325	325	325	325	325	325	325	173	282	325	325	325	317
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	260	423	488	488	488	476

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	144	16	159	146
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	287	32	318	292
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	431	48	477	437
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	114	97	97	77	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	114	97	97	77	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	355	167	1,000	877
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,247	4,381	4,319	3,455	4,731	5,289	5,008
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,301	5,436	5,374	3,820	4,953	6,344	5,936

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Boardman: Coal-															
1 Idaho Power Company	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
2 Portland General Electric	357	357	357	357	357	357	357	357	357	357	357	69	357	357	333
3 San Diego Gas & Electric	81	81	81	81	81	81	81	81	81	81	81	16	81	81	76
4 Turlock Irrigation District	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
5 Boardman: Regional Total	547	547	547	547	547	547	547	547	547	547	547	106	547	547	510
-Centralia #1: Coal-															
6 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
7 Centralia #1: Regional Total	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
-Centralia #2: Coal-															
8 Trans Alta Utilities Corp	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
9 Centralia #2: Regional Total	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
-Colstrip #1: Coal-															
10 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
11 Colstrip #1: Regional Total	138	138	138	138	138	138	138	138	138	138	92	138	138	138	136
-Colstrip #2: Coal-															
12 Puget Sound Energy	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
13 Colstrip #2: Regional Total	138	138	138	138	138	138	138	138	138	138	138	85	138	138	134
-Colstrip #3: Coal-															
14 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	38	17	99	87
15 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	26	11	66	58
16 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	51	22	132	116
17 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	64	28	166	146
18 Colstrip #3: Regional Total	463	463	463	463	463	463	463	463	463	463	463	179	77	463	408
-Colstrip #4: Coal-															
19 Avista Corp (WWP Division)	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
20 Northwestern Energy LLC (MPC)	199	199	199	199	199	199	199	199	199	199	199	199	199	199	199
21 Pacific Power	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
22 Portland General Electric	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
23 Puget Sound Energy	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
24 Colstrip #4: Regional Total	662	662	662	662	662	662	662	662	662	662	662	662	662	662	662
-Columbia Generating Station: Uranium-															
25 BPA - Power Business	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
26 Columbia Gen. Stat.: Reg. Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
-Jim Bridger #1: Coal-															
27 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
28 Pacific Power	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
29 Jim Bridger #1: Regional Total	482	482	482	482	482	482	482	482	482	482	482	482	482	482	482
-Jim Bridger #2: Coal-															
30 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
31 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
32 Jim Bridger #2: Regional Total	488	488	488	488	488	488	488	488	488	488	488	488	488	488	488

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #3: Coal-</i>															
33 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
34 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
35 Jim Bridger #3: Regional Total	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
<i>-Jim Bridger #4: Coal-</i>															
36 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	20	138	154	141
37 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	39	277	307	282
38 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	461	59	415	461	424
<i>-Valmy #1: Coal-</i>															
39 Idaho Power Company	114	114	114	114	114	114	114	114	114	96	96	81	114	114	110
40 Valmy #1: Regional Total	114	114	114	114	114	114	114	114	114	96	96	81	114	114	110
<i>-Valmy #2: Coal-</i>															
41 Idaho Power Company	120	120	120	120	120	120	120	120	120	101	101	81	120	120	115
42 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	120	101	101	81	120	120	115
<i>Total Large Thermal</i>															
43 Federal System	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
44 Public Entities	55	55	55	55	55	55	55	55	55	55	55	11	55	55	51
45 Investor-Owned Entities	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,289	5,229	4,626	4,580	3,899	4,857	5,289	5,075
46 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 Total Large Thermal	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,344	6,283	5,680	5,634	4,910	5,911	6,344	6,126

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Table A-11
Restoration
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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

Power Business Line

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

Reports Powered by:

Loads and Resources Information System

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Table A-13
Columbia Storage Power Exchange Purchase (CSPE)
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-14
Supplemental & Entitlement Capacity
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

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

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Table A-15
Canadian Entitlement Return for Canada
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0
3 COPD to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KOOT to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2
18 PPL to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.2
19 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	2.1	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	10	10	10	10	10	10	10	10	10	9.9	9.9	9.9	9.9	9.9	10
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.2
43 PPL to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.2
44 PSE to BPA	3	3	3	3	3	3	3	3	3	2.9	2.9	2.9	2.9	2.9	3.0
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	27	27	27	27	27	28

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
53 PSE to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4
56 PSE to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4
57 Rock Island P.H. #2: Regional Totals	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.7	6.7	6.7	6.7	6.8
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.4	5.4	5.4	5.4	5.4	5.5
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.2	8.2	8.2	8.2	8.2	8.4
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.3	4.3	4.3	4.3	4.4
63 PPL to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1	1.1
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.6	6.6	6.6	6.6	6.6	6.8
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6
72 PSE to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	6.9	6.9	6.9	6.9	6.9	7
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	23	23	23	23	23	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	58	58	58	58	58	58	58	58	58	57	57	57	57	57	58
76 Investor-Owned Entities	67	67	67	67	67	67	67	67	67	65	65	65	65	65	66
77 Other Entities	11	11	11	11	10	10	10	10	10	9.9	9.9	9.9	9.9	9.9	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	136	136	136	136	136	136	136	136	136	132	132	132	132	132	134

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
3 COPD to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	18	18	18	18	18	18	17	17	17	17	17	18
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
18 PPL to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19 PSE to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
26 Priest Rapids: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
28 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.9
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5	5	5	5	5.1
43 PPL to BPA	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5	5	5	5	5	5.1
44 PSE to BPA	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2007 - 2008 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2
53 PSE to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2
54 Rock Island P.H. #1: Regional Totals	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3
56 PSE to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3
57 Rock Island P.H. #2: Regional Totals	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.7
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
59 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
60 CLKM to BPA	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.2
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
63 PPL to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	36	36	36	36	36	36	36	36	36	35	35	35	35	35	36
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 DOPD to BPA	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.6
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8
70 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.5
71 PPL to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72 PSE to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.9
73 Wells: Regional Totals	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	57	57	57	57	57	57	57	57	57	56	56	56	56	56	56
76 Investor-Owned Entities	65	65	65	65	65	65	65	65	65	64	64	64	64	64	65
77 Other Entities	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.8	9.9
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	132	132	132	132	132	132	132	132	132	130	130	130	130	130	131

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.9
3 COPD to BPA	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0
17 PGE to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1
18 PPL to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1
19 PSE to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.2
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.7
26 Priest Rapids: Regional Totals	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.2
28 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10	10	10	10	10	10.0
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5	5	5	5	5	5	5	5	5	5.3	5.3	5.3	5.3	5.3	5.1
43 PPL to BPA	5	5	5	5	5	5	5	5	5	5.3	5.3	5.3	5.3	5.3	5.1
44 PSE to BPA	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3	3	3	3	3	2.9
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Wanapum: Regional Totals	27	27	27	27	27	27	27	27	27	28	28	28	28	28	27

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.3
53 PSE to BPA	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5	5.5	5.5	5.5	5.5	5.3
54 Rock Island P.H. #1: Regional Totals	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.4
56 PSE to BPA	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.5	3.5	3.5	3.5	3.4
57 Rock Island P.H. #2: Regional Totals	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.0	7.0	7.0	7.0	7.0	6.7
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1	1	1	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1
59 CHPD to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.6	5.6	5.6	5.6	5.6	5.4
60 CLKM to BPA	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.5	8.5	8.5	8.5	8.3
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1	1	1	1	1	1.0
62 PGE to BPA	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.5	4.5	4.3
63 PPL to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	35	35	35	35	35	35	35	35	35	37	37	37	37	37	36
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1	1	1	1	1	1	1	1	1	1.1	1.1	1.1	1.1	1.1	1
68 DOPD to BPA	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.9	6.9	6.9	6.9	6.9	6.6
69 OKPD to BPA	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	4.7	4.7	4.7	4.7	4.5
71 PPL to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.5
72 PSE to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	7.2	7.2	7.2	7.2	7.2	6.9
73 Wells: Regional Totals	23	23	23	23	23	23	23	23	23	24	24	24	24	24	23
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	56	56	56	56	56	56	56	56	56	59	59	59	59	59	57
76 Investor-Owned Entities	64	64	64	64	64	64	64	64	64	68	68	68	68	68	65
77 Other Entities	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10	10	10	10	10	10.0
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	130	130	130	130	130	130	130	130	130	137	137	137	137	137	132

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.0	1.0	1.0	1.0	1.5	1.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3 COPD to BPA	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	18	18	18	18	12	12	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0.1
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	2.2	2.2	2.2	2.2	3.5	3.5	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6
18 PPL to BPA	2.2	2.2	2.2	2.2	3.5	3.5	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6
19 PSE to BPA	1.3	1.3	1.3	1.3	2	2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	0.2	0.2	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	2.3	2.3	2.3	2.3	1.5	1.5	1	1	1	1	1	1	1	1	1.4
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.6	0.6	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
31 FGRV to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	10	10	10	10	12	12	16	16	16	17	17	17	17	17	14
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	5.3	5.3	5.3	5.3	3.4	3.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	3.2
43 PPL to BPA	5.3	5.3	5.3	5.3	3.4	3.4	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	3.2
44 PSE to BPA	3	3	3	3	1.9	1.9	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.9
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	0	0	1.9	1.9	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	0	0	1.9	1.9	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0	0	0	0	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.6
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	29	29	29	29	29	28

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.5
53 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.5
56 PSE to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.5
57 Rock Island P.H. #2: Regional Totals	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.1
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.8	5.8	5.8	5.8	5.8	5.7
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.8	8.8	8.8	8.8	8.8	8.6
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.5
63 PPL to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2	2	2	2	2	2.0
64 PSE to BPA	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	38	38	38	38	38	38
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.1	7.1	7.1	7.1	6.9
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.7
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.4	7.4	7.4	7.4	7.4	7.2
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	25	25	25	25	25	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	59	59	59	59	60	60	67	67	67	69	69	69	69	69	65
76 Investor-Owned Entities	68	68	68	68	66	66	59	59	59	61	61	61	61	61	63
77 Other Entities	10	10	10	10	10	10	10	10	10	11	11	11	11	11	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	137	137	137	137	137	137	137	137	137	141	141	141	141	141	138

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	18	18	18	18	18	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.5
18 PPL to BPA	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.5
19 PSE to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
43 PPL to BPA	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
44 PSE to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
51 Wanapum: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
53 PSE to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
56 PSE to BPA	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
57 Rock Island P.H. #2: Regional Totals	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.2
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.8
60 CLKM to BPA	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.8
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
63 PPL to BPA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
64 PSE to BPA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7
69 OKPD to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
70 PGE to BPA	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.8
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.3	7.4
73 Wells: Regional Totals	25	25	25	25	25	25	25	25	25	24	24	24	24	24	25
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69
76 Investor-Owned Entities	61	61	61	61	61	61	61	61	61	60	60	60	60	60	61
77 Other Entities	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	141	141	141	141	141	141	141	141	141	139	139	139	139	139	140

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1	1
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	18	18	18	18	18	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
17 PGE to BPA	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18 PPL to BPA	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19 PSE to BPA	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
43 PPL to BPA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
44 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
51 Wanapum: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5
53 PSE to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5
56 PSE to BPA	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5
57 Rock Island P.H. #2: Regional Totals	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7	7	7	7	7	7.1
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.7
60 CLKM to BPA	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.6	8.7
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
62 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
63 PPL to BPA	2	2	2	2	2	2	2	2	2	2.0	2.0	2.0	2.0	2.0	2.0
64 PSE to BPA	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
65 Rocky Reach: Regional Totals	38	38	38	38	38	38	38	38	38	37	37	37	37	37	38
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	7.0
69 OKPD to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.3
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	69	69	69	69	69	69	69	69	69	68	68	68	68	68	68
76 Investor-Owned Entities	60	60	60	60	60	60	60	60	60	59	59	59	59	59	60
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	139	139	139	139	139	139	139	139	139	138	138	138	138	138	139

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0	0.1
17 PGE to BPA	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
18 PPL to BPA	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
19 PSE to BPA	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	30	30	30	30	30	30	30	30	30	29	29	29	29	29	30
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
43 PPL to BPA	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
44 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

Table A-15: Canadian Entitlement Return For Canada
PNW Loads and Resource Study
2012 - 2013 Operating Year
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
53 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
56 PSE to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
57 Rock Island P.H. #2: Regional Totals	7	7	7	7	7	7	7	7	7	6.9	6.9	6.9	6.9	6.9	7.0
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60 CLKM to BPA	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.6
61 DOPD to BPA	1	1	1	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
63 PPL to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
64 PSE to BPA	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.9
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.7
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.2
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	68	68	68	68	68	68	68	68	68	67	67	67	67	67	68
76 Investor-Owned Entities	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	138	138	138	138	138	138	138	138	138	136	136	136	136	136	137

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1	1	1	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
18 PPL to BPA	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
19 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0
28 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	17	17	17	17	17	17	17	17	17	16	16	16	16	16	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
43 PPL to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
44 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4
53 PSE to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.5
56 PSE to BPA	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.5
57 Rock Island P.H. #2: Regional Totals	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
59 CHPD to BPA	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.6
60 CLKM to BPA	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.5
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.5
63 PPL to BPA	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	2.0
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72 PSE to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	67	67	67	67	68	68	68	68	68	67	67	67	67	67	67
76 Investor-Owned Entities	59	59	59	59	58	58	58	58	58	58	58	58	58	58	58
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	136	136	136	136	136	136	136	136	136	135	135	135	135	135	136

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18 PPL to BPA	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
19 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
28 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	17	17	17	17	17	16	16	16	16	16	17
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
43 PPL to BPA	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
44 PSE to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
53 PSE to BPA	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.4
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
56 PSE to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
57 Rock Island P.H. #2: Regional Totals	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.8
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1	1.1
59 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
60 CLKM to BPA	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.4
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
63 PPL to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
68 DOPD to BPA	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.7
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6
71 PPL to BPA	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6
72 PSE to BPA	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7
73 Wells: Regional Totals	24	24	24	24	24	24	24	24	24	23	23	23	23	23	24
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	67	67	67	67	67	67	67	67	67	66	66	66	66	66	67
76 Investor-Owned Entities	58	58	58	58	58	58	58	58	58	57	57	57	57	57	57
77 Other Entities	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	135	135	135	135	135	135	135	135	135	133	133	133	133	133	134

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Priest Rapids CER for Canada-</i>															
2 AVWP to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0
3 COPD to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
4 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
6 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GCPD to BPA	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
9 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
12 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
16 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18 PPL to BPA	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
19 PSE to BPA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNKMKT to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
26 Priest Rapids: Regional Totals	29	29	29	29	29	29	29	29	29	28	28	28	28	28	29
<i>-Wanapum CER for Canada-</i>															
27 AVWP to BPA	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
28 COPD to BPA	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
29 CWPC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EWEB to BPA	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
32 FREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 GCPD to BPA	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
34 ICLP to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 KITT to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 KOOT to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
37 LREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 LVE to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTFR to BPA	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 NLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
43 PPL to BPA	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
44 PSE to BPA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 UNKMKT to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	28	28	28	28	28	28	28	28	28	27	27	27	27	27	27

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rock Island P.H. #1 CER for Canada-</i>															
52 CHPD to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
53 PSE to BPA	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
54 Rock Island P.H. #1: Regional Totals	11	11	11	11	11	11	11	11	11	10	10	10	10	10	11
<i>-Rock Island P.H. #2 CER for Canada-</i>															
55 CHPD to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
56 PSE to BPA	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
57 Rock Island P.H. #2: Regional Totals	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.8
<i>-Rocky Reach CER for Canada-</i>															
58 AVWP to BPA	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
59 CHPD to BPA	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4
60 CLKM to BPA	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.3
61 DOPD to BPA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62 PGE to BPA	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.4
63 PPL to BPA	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
64 PSE to BPA	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
65 Rocky Reach: Regional Totals	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
<i>-Wells CER for Canada-</i>															
66 AVWP to BPA	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
67 COLV to BPA	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1	1	1	1	1	1
68 DOPD to BPA	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.7
69 OKPD to BPA	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
71 PPL to BPA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72 PSE to BPA	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.9	6.9	7.0
73 Wells: Regional Totals	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
<i>-Total CER For Canada-</i>															
74 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Public Entities	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66
76 Investor-Owned Entities	57	57	57	57	57	57	57	57	57	56	56	56	56	56	57
77 Other Entities	10	10	10	10	10	10	10	10	10	9.9	9.9	9.9	9.9	9.9	10.0
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 Total CER For Canada	133	133	133	133	133	133	133	133	133	132	132	132	132	132	133

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Table A-16
Intra-Regional Transfers
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	49	0	0	0	42
4 BPA To CCPD PwrS	0	0	0	17	17	17	17	17	17	17	17	17	17	17	14
5 BPA To EWEB PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
6 BPA To Other Entities	223	224	67	0	0	0	0	0	0	0	0	0	0	0	24
7 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
9 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
10 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
11 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	49	0	0	0	42
12 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA To TPU PwrX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CCPD To Other Entities	0	0	0	17	17	17	17	17	17	17	17	17	17	17	14
15 CHPD To PGE S/N/X	18	18	18	9	0	0	0	0	0	0	0	0	18	18	6.8
16 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20	5.4
17 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 ENW To BCPD PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
19 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
21 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
22 GCPD To AVWP PwrS	18	18	16	19	19	19	17	18	18	26	26	32	32	28	22
23 GCPD To EWEB PwrS	5	5	5	5	5	5	5	5	5	7	7	9	9	8	6.1
24 GCPD To FGRV PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
25 GCPD To FREC PwrS	0	0	0	0	1	1	0	0	0	1	1	1	1	1	0.5
26 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
27 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 GCPD To MCMN PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
31 GCPD To MTRF PwrS	2	2	1	2	2	2	1	1	2	2	2	3	3	2	1.9
32 GCPD To PGE PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63	50
33 GCPD To PPL PwrS	41	41	37	43	44	44	40	40	40	60	60	73	72	63	50
34 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
35 GCPD To PSE PwrS	23	23	21	25	25	25	23	23	23	34	34	42	42	36	28
36 GCPD To TPU PwrS	19	19	17	20	20	20	18	18	18	27	27	33	33	29	23
37 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
38 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
39 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
40 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
41 Other Entities To BPA	816	813	814	375	375	374	0	0	0	0	0	0	0	0	229
42 Other Entities To DOPD	14	14	14	22	22	22	23	22	22	14	14	14	14	14	18
43 Other Entities To GHPD	15	15	15	0	0	0	0	0	0	0	0	0	0	0	2.5
44 Other Entities To PGE	84	84	84	189	489	589	589	589	489	489	489	189	189	189	347
45 Other Entities To PPL	384	384	384	384	384	384	384	384	384	384	384	384	384	0	352
46 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
47 PGE To CHPD S/N/X	10	10	17	9	10	11	10	10	0	0	0	0	10	10	8.1
48 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
49 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
50 PKE To SCL PwrS	95	95	95	95	95	95	0	0	0	0	0	0	0	0	40
51 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
52 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
53 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
55 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
56 PPL To FLHD PwrS	16	16	16	0	0	0	0	0	0	0	0	0	0	0	2.7

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
57 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
58 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
59 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
60 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
61 SHPD To PSE PwrS	10	10	10	10	10	10	16	14	12	10	10	8.9	7.9	7.4	11
62 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
63 TPU To BPA PwrX	35	35	35	0	0	0	0	0	0	0	0	0	0	0	5.8
64 Total Contracts	2956	2956	2956	2584	3214	3265	2803	2733	2453	2497	2495	1939	2062	1597	2588
-Total Contracts Out-															
65 Federal System	421	423	305	308	609	622	619	564	411	380	378	184	244	243	409
66 Public Entities	360	360	326	321	314	313	302	300	302	374	374	439	462	426	353
67 Investor-Owned Entities	1235	1236	1388	1247	1283	1219	1242	1230	1198	1210	1210	1085	1124	697	1180
68 Other Entities	939	937	937	708	1009	1110	639	640	541	534	534	232	232	231	646
69 Total Contracts Out	2956	2956	2956	2584	3214	3265	2803	2733	2453	2497	2495	1939	2062	1597	2588
-Total Contracts In-															
70 Federal System	1056	1054	1199	714	756	691	341	329	307	306	306	188	307	180	531
71 Public Entities	290	290	306	282	284	285	184	183	176	180	180	192	202	193	230
72 Investor-Owned Entities	1401	1402	1400	1572	2157	2272	2261	2204	1953	1994	1992	1543	1536	1207	1792
73 Other Entities	209	210	50	17	17	17	17	17	17	17	17	17	17	17	36
74 Total Contracts In	2956	2956	2956	2584	3214	3265	2803	2733	2453	2497	2495	1939	2062	1597	2588

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 BPA To PPL CapS	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	18	18	18	9	0	0	0	0	0	0	0	0	18	18	6.8
12 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20	5.4
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
19 GCPD To FGRV PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
21 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
22 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 GCPD To MCMN PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
26 GCPD To MTFR PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
28 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
29 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
31 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
32 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
34 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	16	16	16	24	24	24	24	24	24	16	16	16	16	16	20
37 Other Entities To PGE	189	189	189	189	489	589	589	589	489	489	489	189	189	189	364
38 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
39 PGE To CHPD S/N/X	10	10	17	9	10	11	10	10	0	0	0	0	10	10	8.1
40 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
42 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
43 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA PkRepl	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
45 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
46 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
47 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
48 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
49 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
50 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
51 SHPD To PSE PwrS	7.5	7.5	8.4	8.3	12	16	16	14	12	10	10	8.9	7.9	7.4	11
52 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
53 Total Contracts	1525	1526	1692	1730	2363	2416	2421	2337	2071	2114	2114	1470	1768	1599	1959

-Total Contracts Out-

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
54 Federal System	214	214	253	308	609	622	619	557	411	379	379	184	244	243	387
55 Public Entities	356	356	332	319	315	316	302	300	302	374	374	439	462	426	353
56 Investor-Owned Entities	722	723	875	863	899	835	858	839	814	826	826	613	828	697	806
57 Other Entities	234	234	233	240	541	643	641	641	543	536	536	234	234	233	413
58 Total Contracts Out	1525	1526	1692	1730	2363	2416	2421	2337	2071	2114	2114	1470	1768	1599	1959
<i>-Total Contracts In-</i>															
59 Federal System	205	206	350	339	381	317	341	322	307	306	306	188	307	180	295
60 Public Entities	185	185	190	189	191	188	185	185	178	182	182	194	204	195	189
61 Investor-Owned Entities	1118	1119	1135	1186	1774	1894	1877	1813	1569	1609	1609	1071	1240	1207	1458
62 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
63 Total Contracts In	1525	1526	1692	1730	2363	2416	2421	2337	2071	2114	2114	1470	1768	1599	1959

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	18	18	18	9	0	0	0	0	0	0	0	0	18	18	6.8
12 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20	5.4
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
19 GCPD To FGRV PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
21 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
22 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
25 GCPD To MCMN PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
26 GCPD To MTFR PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
28 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
29 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	51
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
31 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
32 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
34 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	17	17	17	27	26	27	27	27	27	17	17	17	17	17	22
37 Other Entities To PGE	189	189	189	189	489	589	589	589	489	489	489	189	189	189	364
38 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
39 PGE To CHPD S/N/X	10	10	17	9	10	11	10	10	0	0	0	0	10	10	8.1
40 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
42 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	4.7	0	8.7
43 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
45 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
46 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
47 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
48 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
49 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
50 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
51 SHPD To PSE PwrS	7.5	7.5	8.4	8.3	12	16	16	14	12	10	10	8.9	7.9	7.4	11
52 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
53 Total Contracts	1526	1528	1693	1732	2364	2422	2422	2352	2073	2114	2114	1557	1675	1589	1960

-Total Contracts Out-

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
54 Federal System	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
55 Public Entities	356	356	331	318	314	318	301	299	302	373	373	438	461	425	353
56 Investor-Owned Entities	722	723	875	863	899	835	858	846	814	826	826	701	735	687	805
57 Other Entities	235	235	234	243	543	647	644	644	546	537	537	235	235	234	415
58 Total Contracts Out	1526	1528	1693	1732	2364	2422	2422	2352	2073	2114	2114	1557	1675	1589	1960
<i>-Total Contracts In-</i>															
59 Federal System	205	206	350	339	381	317	341	329	307	306	306	188	302	170	295
60 Public Entities	186	186	191	191	192	194	187	187	180	182	182	194	204	195	190
61 Investor-Owned Entities	1118	1119	1135	1186	1774	1894	1877	1820	1569	1609	1609	1158	1152	1207	1458
62 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
63 Total Contracts In	1526	1528	1693	1732	2364	2422	2422	2352	2073	2114	2114	1557	1675	1589	1960

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	18	18	18	9	0	0	0	0	0	0	0	0	18	18	6.8
12 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20	5.4
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27	22
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
19 GCPD To FGRV PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
21 GCPD To KITT PwrS	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0.8
22 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MCMN PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
26 GCPD To MTFR PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63	50
28 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
29 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63	50
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36	29
31 GCPD To TPU PwrS	21	21	20	20	11	11	10	10	10	15	15	18	18	15	15
32 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
34 NWE To PSE PwrS	88	88	88	96	88	88	88	88	88	100	100	94	91	88	90
35 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
36 Other Entities To DOPD	19	19	19	29	28	30	28	29	29	19	19	19	19	19	24
37 Other Entities To PGE	189	189	189	189	489	589	575	575	475	475	475	175	175	175	356
38 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
39 PGE To CHPD S/N/X	10	10	17	9	10	11	10	10	0	0	0	0	10	10	8.1
40 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
42 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
43 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
45 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
46 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
47 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
48 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
49 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
50 SHPD To PSE PwrS	7.5	7.5	8.4	8.3	12	16	16	14	0	0	0	0	0	0	6.8
51 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	179	94	94	161	188	188	177
52 Total Contracts	1517	1519	1684	1724	2344	2402	2390	2320	2017	1974	1974	1478	1717	1555	1927
<i>-Total Contracts Out-</i>															
53 Federal System	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
54 Public Entities	355	355	330	318	302	306	292	289	277	349	349	408	432	402	338
55 Investor-Owned Entities	712	713	865	853	889	825	848	836	795	722	722	664	818	687	793
56 Other Entities	237	237	236	245	545	649	631	632	534	525	525	222	223	222	408
57 Total Contracts Out	1517	1519	1684	1724	2344	2402	2390	2320	2017	1974	1974	1478	1717	1555	1927
<i>-Total Contracts In-</i>															
58 Federal System	195	196	340	329	371	307	331	319	297	296	296	178	297	170	286
59 Public Entities	187	187	192	193	182	184	179	180	170	172	172	177	187	183	182
60 Investor-Owned Entities	1118	1119	1135	1186	1774	1894	1863	1804	1533	1489	1489	1106	1216	1185	1442
61 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
62 Total Contracts In	1517	1519	1684	1724	2344	2402	2390	2320	2017	1974	1974	1478	1717	1555	1927

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To CCPD PwrS	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 BPA To PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
10 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
11 CHPD To PGE S/N/X	18	18	18	9	0	0	0	0	0	0	0	0	0	0	3.8
12 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	19	20	5.4
13 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
16 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
17 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	31	27	22
18 GCPD To EWEB PwrS	6	6	5	5	5	5	5	5	5	7	7	9	9	8	6.2
19 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
20 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
21 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1	0.6
22 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 GCPD To MCMN PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
26 GCPD To MTFR PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
27 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	63	50
28 GCPD To PPL PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	63	50
29 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
30 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36	29
31 GCPD To TPU PwrS	11	11	11	10	11	11	10	10	10	15	15	18	18	15	12
32 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
33 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
34 NWE To PSE PwrS	88	88	88	96	88	88	0	0	0	0	0	0	0	0	37
35 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0	42
36 Other Entities To DOPD	21	21	21	32	32	32	31	32	32	21	21	21	21	21	27
37 Other Entities To PGE	175	175	175	175	475	475	475	475	475	475	475	175	175	175	325
38 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
39 PGE To CHPD S/N/X	10	10	17	9	10	11	10	10	0	0	0	0	0	0	6.4
40 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
41 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
42 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
44 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
45 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
46 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
47 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
48 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
49 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
50 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	179	94	94	161	188	174
51 Total Contracts	1487	1489	1651	1690	2323	2275	2090	2023	1841	1861	1776	1219	1473	1340	1769
<i>-Total Contracts Out-</i>															
52 Federal System	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
53 Public Entities	337	337	309	295	290	290	276	276	277	349	349	408	414	384	325

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
54 Investor-Owned Entities	712	713	865	853	889	825	760	748	716	707	622	503	689	589	735
55 Other Entities	224	224	224	234	535	537	434	435	437	427	427	124	125	124	322
56 Total Contracts Out	1487	1489	1651	1690	2323	2275	2090	2023	1841	1861	1776	1219	1473	1340	1769
<i>-Total Contracts In-</i>															
57 Federal System	195	196	340	329	371	307	331	319	297	296	296	178	297	170	286
58 Public Entities	179	179	181	182	186	187	182	183	173	174	174	179	179	175	180
59 Investor-Owned Entities	1096	1097	1112	1162	1748	1763	1559	1504	1354	1373	1289	845	979	979	1286
60 Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
61 Total Contracts In	1487	1489	1651	1690	2323	2275	2090	2023	1841	1861	1776	1219	1473	1340	1769

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	49	0	0	0	42
4 BPA To CCPD PwrS	17	17	17	0	0	0	0	0	0	0	0	0	0	0	2.8
5 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
6 BPA To PPL CapS	184	184	0	0	0	0	0	0	0	0	0	0	0	0	15
7 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
8 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	49	0	0	0	42
10 CCPD To Other Entities	17	17	17	0	0	0	0	0	0	0	0	0	0	0	2.8
11 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20	5.4
12 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
15 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
16 GCPD To AVWP PwrS	20	20	19	0	0	0	0	0	0	0	0	0	0	0	3.3
17 GCPD To EWEB PwrS	6	6	5	0	0	0	0	0	0	0	0	0	0	0	0.9
18 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
19 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
20 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1
21 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
22 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
23 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 GCPD To MCMN PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
25 GCPD To MTRF PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
26 GCPD To PGE PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0	7.3
27 GCPD To PPL PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0	7.3
28 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
29 GCPD To PSE PwrS	26	26	25	0	0	0	0	0	0	0	0	0	0	0	4.3
30 GCPD To TPU PwrS	11	11	11	0	0	0	0	0	0	0	0	0	0	0	1.8
31 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	3.7	3.7	4.5	4.6	4.6	4.6	4.7	4.8	4.4
32 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
33 Other Entities To DOPD	12	12	12	19	19	19	18	19	19	12	12	12	12	12	15
34 Other Entities To PGE	175	175	175	150	150	150	150	150	150	150	150	150	150	150	154
35 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
36 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
37 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
38 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PPL To BPA PkRepl	184	184	0	0	0	0	0	0	0	0	0	0	0	0	15
40 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
41 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
42 PPL To SCL RenStg	55	55	55	55	55	55	55	55	0	0	0	0	0	0	32
43 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
44 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
45 SCL To PPL RenStg	55	55	55	55	55	55	0	0	0	0	0	0	0	0	23
46 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
47 Total Contracts	1259	1261	1027	887	1137	1170	1087	1043	861	834	832	456	718	620	925
<i>-Total Contracts Out-</i>															
48 Federal System	214	214	59	108	363	418	391	347	217	190	188	0.1	53	67	202
49 Public Entities	316	316	288	117	115	115	61	60	61	64	64	78	86	87	121
50 Investor-Owned Entities	614	615	565	565	562	539	539	539	484	488	488	287	488	375	504
51 Other Entities	115	115	115	96	97	99	96	97	99	93	93	90	91	90	98
52 Total Contracts Out	1259	1261	1027	887	1137	1170	1087	1043	861	834	832	456	718	620	925

Continued

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Contracts In-</i>															
53 Federal System	195	196	146	146	143	120	120	120	120	123	123	11	123	11	115
54 Public Entities	160	160	155	123	123	123	122	123	68	61	61	61	61	61	103
55 Investor-Owned Entities	887	888	709	617	871	928	845	800	673	649	648	384	533	548	704
56 Other Entities	17	17	17	0	0	0	0	0	0	0	0	0	0	0	2.8
57 Total Contracts In	1259	1261	1027	887	1137	1170	1087	1043	861	834	832	456	718	620	925

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
8 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20	5.4
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
12 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
13 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
14 NWCP To PSE PwrS	4.8	4.8	4.9	5	4.8	2.8	0	0	0	0	0	0	0	0	1.9
15 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
16 Other Entities To DOPD	14	14	14	22	22	22	23	22	22	14	14	14	14	14	18
17 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
18 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
21 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
22 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
24 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
25 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
26 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
27 Total Contracts	562	562	708	780	1030	1063	1032	988	859	830	830	541	627	617	803
<i>-Total Contracts Out-</i>															
28 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	53	67	184
29 Public Entities	81	81	64	62	60	60	58	56	57	59	59	74	81	83	66
30 Investor-Owned Entities	375	375	510	510	507	484	484	484	484	488	488	375	400	375	456
31 Other Entities	92	92	92	99	100	102	100	100	102	95	95	92	93	92	97
32 Total Contracts Out	562	562	708	780	1030	1063	1032	988	859	830	830	541	627	617	803
<i>-Total Contracts In-</i>															
33 Federal System	11	11	146	146	143	120	120	120	120	123	123	11	123	11	100
34 Public Entities	63	63	63	71	71	71	72	71	71	63	63	63	63	63	67
35 Investor-Owned Entities	487	487	499	562	816	873	841	797	669	644	644	467	441	543	637
36 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Total Contracts In	562	562	708	780	1030	1063	1032	988	859	830	830	541	627	617	803

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA To PPL S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
8 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	18	20	5.4
9 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	0	2.8
11 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
12 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
13 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
14 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
15 Other Entities To DOPD	16	16	16	24	24	24	24	24	24	16	16	16	16	16	20
16 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
17 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
18 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	0	0	2.5
19 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
20 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
21 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
23 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
24 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
25 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
26 Total Contracts	559	559	705	777	1027	1062	1034	989	861	832	832	455	679	580	797
<i>-Total Contracts Out-</i>															
27 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
28 Public Entities	76	76	59	57	56	57	58	56	57	59	59	73	81	80	64
29 Investor-Owned Entities	375	375	510	510	507	484	484	484	484	488	488	287	485	372	456
30 Other Entities	94	94	94	101	102	103	102	102	104	97	97	94	95	94	98
31 Total Contracts Out	559	559	705	777	1027	1062	1034	989	861	832	832	455	679	580	797
<i>-Total Contracts In-</i>															
32 Federal System	11	11	146	146	143	120	120	120	120	123	123	11	123	11	100
33 Public Entities	65	65	65	73	73	72	73	73	73	65	65	65	62	62	68
34 Investor-Owned Entities	483	483	494	557	811	870	841	797	669	644	644	379	494	507	629
35 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Total Contracts In	559	559	705	777	1027	1062	1034	989	861	832	832	455	679	580	797

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
6 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20	5.4
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
9 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
10 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
11 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
12 Other Entities To DOPD	18	18	18	27	26	27	27	27	27	18	18	18	18	18	22
13 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
14 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
15 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
16 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
17 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
18 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
19 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
20 Total Contracts	555	555	678	751	1000	1060	1031	986	858	828	828	539	590	582	788
<i>-Total Contracts Out-</i>															
21 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
22 Public Entities	74	74	56	54	52	54	54	53	54	56	56	70	78	80	61
23 Investor-Owned Entities	372	372	485	485	481	481	481	481	481	485	485	372	397	372	448
24 Other Entities	96	96	96	104	104	107	105	105	107	99	99	96	97	96	101
25 Total Contracts Out	555	555	678	751	1000	1060	1031	986	858	828	828	539	590	582	788
<i>-Total Contracts In-</i>															
26 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
27 Public Entities	64	64	64	73	72	73	73	73	73	64	64	64	64	64	68
28 Investor-Owned Entities	480	480	491	554	808	867	838	794	666	641	641	464	403	506	626
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Contracts In	555	555	678	751	1000	1060	1031	986	858	828	828	539	590	582	788

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Intra-Regional Transfers-</i>															
1 AVWP To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
2 AVWP To PGE CapS	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
4 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
5 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
6 CIDF To UPL PwrS	15	15	0.3	0	0	0	0	0	0	0	0	12	19	20	5.4
7 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 EWEB To PPL PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
9 FPLEV To PGE PwrS	8.2	8.2	7.6	7.2	7.5	9.9	7.2	7.9	9.9	11	11	8.2	9.2	7.8	8.4
10 GCPD To PPL PwrS	13	13	9.9	7.9	6.6	8.2	8.6	7.4	7.8	10	10	13	14	14	10.0
11 NWE To MVP PwrS	11	11	11	11	7.5	7.5	7.5	7.5	7.5	11	11	11	11	11	9.6
12 Other Entities To DOPD	20	20	20	30	29	31	30	30	30	20	20	20	20	20	25
13 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
14 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
15 PGE To PPL Cove Repl	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
16 PPL To EWEB PwrS	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
17 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
18 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
19 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	179	94	94	161	188	188	177
20 Total Contracts	557	557	680	754	1003	1063	1033	990	852	736	736	514	680	583	787
<i>-Total Contracts Out-</i>															
21 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
22 Public Entities	73	73	56	54	52	54	54	53	54	56	56	70	78	79	61
23 Investor-Owned Entities	372	372	485	485	481	481	481	481	472	391	391	345	485	372	444
24 Other Entities	98	98	98	107	107	111	107	108	110	101	101	98	99	98	103
25 Total Contracts Out	557	557	680	754	1003	1063	1033	990	852	736	736	514	680	583	787
<i>-Total Contracts In-</i>															
26 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
27 Public Entities	66	66	66	76	75	77	76	76	76	66	66	66	66	66	71
28 Investor-Owned Entities	480	480	491	554	808	867	838	794	657	547	547	437	491	506	622
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Contracts In	557	557	680	754	1003	1063	1033	990	852	736	736	514	680	583	787

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Table A-17
Capacity Reserves
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

Reports Powered by:

Loads and Resources Information System

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

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wells-															
1 Wells	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
2 Wells Before Enc	546	472	333	376	469	436	337	339	346	343	314	301	524	461	397
-Wells-															
3 AVWP Share	17	14	9.7	11	14	13	9.8	9.9	10	10	9.1	8.7	16	14	12
4 COLV Share	22	19	13	15	19	18	13	13	14	14	12	12	21	19	16
5 DOPD Share	142	122	83	95	121	112	84	85	87	86	78	74	136	118	101
6 OKPD Share	38	32	22	25	32	30	23	23	23	23	21	20	36	32	27
7 PGE Share	96	82	56	64	82	76	57	57	59	58	53	50	92	80	68
8 PPL Share	33	28	19	22	28	26	19	20	20	20	18	17	31	27	23
9 PSE Share	149	127	87	99	126	117	88	89	91	90	81	78	142	124	105
10 Wells After Enc	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352
-Chelan-															
11 Chelan	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
12 Chelan Before Enc	28	20	17	53	52	52	51	50	1.2	29	50	50	52	54	41
-Chelan-															
13 CHPD Share	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45
14 Chelan After Enc	31	23	20	55	54	55	54	54	5.2	33	54	54	55	57	45

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Table A-19
Rocky Reach & Rock Island Allocation
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Rocky Reach-</i>															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
<i>-Rocky Reach-</i>															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
<i>-Rock Island PH#1-</i>															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
<i>-Rock Island PH#1-</i>															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
<i>-Rock Island PH#2-</i>															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
<i>-Rock Island PH#2-</i>															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Rocky Reach-															
1 Rocky Reach	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
2 Rocky Reach Before Enc	712	634	437	507	640	595	456	458	458	456	387	351	661	575	519
-Rocky Reach-															
3 AVWP Share	21	19	13	15	19	18	14	14	14	14	12	11	20	17	16
4 CHPD Share	110	98	69	79	99	93	71	72	72	71	61	55	103	90	81
5 CLKM Share	168	150	104	121	152	141	109	109	109	108	93	84	156	136	123
6 DOPD Share	20	18	12	14	18	17	13	13	13	13	11	9.9	18	16	14
7 PGE Share	88	79	55	64	80	74	57	57	57	57	49	44	82	72	65
8 PPL Share	39	35	24	28	35	32	25	25	25	25	21	19	36	31	28
9 PSE Share	284	254	177	204	256	238	184	184	185	183	157	143	264	231	209
10 Rocky Reach After Enc	731	652	454	525	659	613	473	474	474	472	403	367	680	593	537
-Rock Island PH#1-															
11 Rock Island PH#1	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
12 Rock Island PH#1 Before Enc	145	147	115	129	149	142	119	119	119	119	119	119	143	147	130
-Rock Island PH#1-															
13 CHPD Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
14 PSE Share	91	92	76	83	93	90	78	78	78	78	83	83	89	95	85
15 Rock Island PH#1 After Enc	182	184	152	167	186	180	156	156	156	157	165	166	179	190	169
-Rock Island PH#2-															
16 Rock Island PH#2	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
17 Rock Island PH#2 Before Enc	119	128	82	99	130	119	86	86	86	84	45	45	133	91	95
-Rock Island PH#2-															
18 CHPD Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
19 PSE Share	75	80	54	64	81	75	57	57	57	55	31	31	83	59	61
20 Rock Island PH#2 After Enc	150	160	109	128	162	151	113	113	113	111	63	63	166	117	123

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Table A-20
Wanapum & Priest Rapids Allocation
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
-Wanapum-															
3 AVWP Share	22	17	26	31	41	38	27	27	27	27	13	13	25	19	26
4 COPD Share	7.3	5.6	8.6	10	13	12	9.0	9.0	9.0	9.0	4.1	4.1	8.4	6.4	8.6
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	6.2	4.8	7.3	8.7	11	11	7.6	7.6	7.6	7.6	3.5	3.5	7.1	5.4	7.3
7 FGRV Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	99	76	116	138	182	167	121	121	121	121	56	56	113	86	117
10 ICLP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KITT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 KOOT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
16 MTFR Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
19 PPL Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
20 PSE Share	29	22	34	41	54	49	36	36	36	36	17	17	34	25	34
21 RREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TPU Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	12	10	12	14	18	17	13	13	13	13	4.4	4.4	10	11	12
31 COPD Share	5.8	4.8	5.7	6.6	8.2	7.7	5.9	5.9	5.9	5.9	2	2	4.9	5.2	5.6
32 CWPC Share	0	0	0	0	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.3
33 EWEB Share	3.5	2.9	3.5	4	5.0	4.7	3.6	3.6	3.6	3.6	1.2	1.2	2.9	3.1	3.4
34 FGRV Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
35 FREC Share	0	0	0	0	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.4
36 GCPD Share	235	195	233	270	336	314	241	241	241	241	83	83	198	212	229
37 ICLP Share	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1.1	0.9	1.1	1.2	1.5	1.4	1.1	1.1	1.1	1.1	0.4	0.4	0.9	1.0	1
39 KOOT Share	0	0	0	0	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.5
40 LREC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0	0	0	0	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.7
42 MCMN Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
43 MTFR Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
44 NLEC Share	0	0	0	0	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.5
45 PGE Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
46 PPL Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
47 PSE Share	16	14	16	19	23	22	17	17	17	17	5.8	5.8	14	15	16

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0	0	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	2	1.7	2	2.3	2.9	2.7	2.1	2.1	2.1	2.1	0.7	0.7	1.7	1.8	2.0
50 SLEC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	15	13	15	18	22	20	16	16	16	16	5.4	5.4	13	14	15
52 UNEC Share	0	0	0	0	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.2
53 UNKMKT Share	27	22	27	31	33	30	23	23	23	23	8.1	8.1	19	21	23
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	308	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	384	308	391
-Wanapum-															
3 AVWP Share	22	17	26	31	41	38	27	27	27	27	13	13	25	19	26
4 COPD Share	7.3	5.6	8.6	10	13	12	9.0	9.0	9.0	9.0	4.1	4.1	8.4	6.4	8.6
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	6.2	4.8	7.3	8.7	11	11	7.6	7.6	7.6	7.6	3.5	3.5	7.1	5.4	7.3
7 FGRV Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	99	76	116	138	182	167	121	121	121	121	56	56	113	86	117
10 ICLP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KITT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 KOOT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
16 MTFR Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
19 PPL Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
20 PSE Share	29	22	34	41	54	49	36	36	36	36	17	17	34	25	34
21 RREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TPU Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	12	10	12	14	18	17	13	13	13	13	4.4	4.4	10	11	12
31 COPD Share	5.8	4.8	5.7	6.6	8.2	7.7	5.9	5.9	5.9	5.9	2	2	4.9	5.2	5.6
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.5	2.9	3.5	4	5.0	4.7	3.6	3.6	3.6	3.6	1.2	1.2	2.9	3.1	3.4
34 FGRV Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	235	195	233	270	336	314	241	241	241	241	83	83	198	212	229
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1.1	0.9	1.1	1.2	1.5	1.4	1.1	1.1	1.1	1.1	0.4	0.4	0.9	1.0	1
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
43 MTFR Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
46 PPL Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
47 PSE Share	16	14	16	19	23	22	17	17	17	17	5.8	5.8	14	15	16

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	2	1.7	2	2.3	2.9	2.7	2.1	2.1	2.1	2.1	0.7	0.7	1.7	1.8	2.0
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	15	13	15	18	22	20	16	16	16	16	5.4	5.4	13	14	15
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	23	19	23	26	33	30	23	23	23	23	8.1	8.1	19	21	22
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
-Wanapum-															
3 AVWP Share	22	17	26	31	41	38	27	27	27	27	13	13	25	19	26
4 COPD Share	7.3	5.6	8.6	10	13	12	9.0	9.0	9.0	9.0	4.1	4.1	8.4	6.4	8.6
5 CWPC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EWEB Share	6.2	4.8	7.3	8.7	11	11	7.6	7.6	7.6	7.6	3.5	3.5	7.1	5.4	7.3
7 FGRV Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
8 FREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 GCPD Share	99	76	116	138	182	167	121	121	121	121	56	56	113	86	117
10 ICLP Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 KITT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 KOOT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 LREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 LVE Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 MCMN Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
16 MTFR Share	1.9	1.5	2.2	2.7	3.5	3.2	2.3	2.3	2.3	2.3	1.1	1.1	2.2	1.6	2.2
17 NLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PGE Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
19 PPL Share	51	39	60	71	93	86	62	62	62	62	29	29	58	44	60
20 PSE Share	29	22	34	41	54	49	36	36	36	36	17	17	34	25	34
21 RREC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SCL Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SLEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TPU Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 UNEC Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 UNKMKT Share	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	12	10	12	14	18	17	13	13	13	13	4.4	4.4	10	11	12
31 COPD Share	5.8	4.8	5.7	6.6	8.2	7.7	5.9	5.9	5.9	5.9	2	2	4.9	5.2	5.6
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.5	2.9	3.5	4	5.0	4.7	3.6	3.6	3.6	3.6	1.2	1.2	2.9	3.1	3.4
34 FGRV Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	235	195	233	270	336	314	241	241	241	241	83	83	198	212	229
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1.1	0.9	1.1	1.2	1.5	1.4	1.1	1.1	1.1	1.1	0.4	0.4	0.9	1.0	1
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
43 MTFR Share	1.3	1.1	1.3	1.5	1.9	1.8	1.4	1.4	1.4	1.4	0.5	0.5	1.1	1.2	1.3
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
46 PPL Share	28	24	28	33	41	38	29	29	29	29	10	10	24	26	28
47 PSE Share	16	14	16	19	23	22	17	17	17	17	5.8	5.8	14	15	16

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	2	1.7	2	2.3	2.9	2.7	2.1	2.1	2.1	2.1	0.7	0.7	1.7	1.8	2.0
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	15	13	15	18	22	20	16	16	16	16	5.4	5.4	13	14	15
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	23	19	23	26	33	30	23	23	23	23	8.1	8.1	19	21	22
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
2 Wanapum Before Enc	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
-Wanapum-															
3 AVWP Share	22	17	26	31	26	24	12	12	12	12	5.5	5.5	11	8.4	16
4 COPD Share	7.3	5.6	8.6	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0	0	0	0	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.3
6 EWEB Share	6.2	4.8	7.3	8.7	7.3	6.7	3.3	3.3	3.3	3.3	1.5	1.5	3.1	2.4	4.6
7 FGRV Share	1.9	1.5	2.2	2.7	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.6
8 FREC Share	0	0	0	0	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.3
9 GCPD Share	99	76	116	138	205	188	191	191	191	190	88	88	178	135	154
10 ICLP Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0	0	0	0	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.3
12 KOOT Share	0	0	0	0	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.5
13 LREC Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0	0	0	0	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.6
15 MCMN Share	1.9	1.5	2.2	2.7	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.6
16 MTRF Share	1.9	1.5	2.2	2.7	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.6
17 NLEC Share	0	0	0	0	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.4
18 PGE Share	51	39	60	71	60	55	27	27	27	27	13	12	25	19	37
19 PPL Share	51	39	60	71	60	55	27	27	27	27	13	12	25	19	37
20 PSE Share	29	22	34	41	34	32	16	16	16	16	7.2	7.2	15	11	22
21 RREC Share	0	0	0	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	0	0	0	0	33	30	15	15	15	15	6.8	6.7	14	10	12
23 SLEC Share	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	0	0	0	0	33	30	15	15	15	15	6.8	6.8	14	10	12
25 UNEC Share	0	0	0	0	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	0	0	0	0	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	7.2
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	12	10	12	14	28	27	14	14	14	14	4.8	4.8	11	12	14
31 COPD Share	5.8	4.8	5.7	6.6	15	14	10	10	10	10	3.6	3.6	8.6	9.2	8.8
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.5	2.9	3.5	4	8.0	7.4	3.9	3.9	3.9	3.9	1.3	1.3	3.2	3.4	4
34 FGRV Share	1.3	1.1	1.3	1.5	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.5
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	235	195	233	270	223	208	223	223	223	223	77	77	184	196	202
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	1.1	0.9	1.1	1.2	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.7
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.3	1.1	1.3	1.5	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.5
43 MTRF Share	1.3	1.1	1.3	1.5	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.5
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	28	24	28	33	65	61	32	32	32	32	11	11	26	28	33
46 PPL Share	28	24	28	33	65	61	32	32	32	32	11	11	26	28	33
47 PSE Share	16	14	16	19	37	35	18	18	18	18	6.3	6.3	15	16	19

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2009 - 2010 Operating Year
 1937 Water Year
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Continued

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48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	2	1.7	2	2.3	36	33	17	17	17	17	5.9	5.9	14	15	14
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	15	13	15	18	36	33	17	17	17	17	6.0	6.0	14	15	18
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	23	19	23	26	16	15	12	12	12	12	4	4	9.6	10	14
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
2 Wanapum Before Enc	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
-Wanapum-															
3 AVWP Share	9.7	7.4	11	14	18	16	12	12	12	12	5.4	5.4	11	8.3	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.7	2.1	3.2	3.8	4.9	4.5	3.3	3.3	3.3	3.3	1.5	1.5	3.1	2.3	3.2
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	155	119	183	218	289	265	192	192	192	192	89	88	179	136	184
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTRF Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	22	17	26	31	40	37	27	27	27	27	12	12	25	19	26
19 PPL Share	22	17	26	31	40	37	27	27	27	27	12	12	25	19	26
20 PSE Share	13	9.8	15	18	23	21	15	15	15	15	7.1	7.1	14	11	15
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	12	9.2	14	17	22	20	14	14	14	14	6.7	6.7	14	10	14
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	12	9.2	14	17	22	20	15	15	15	15	6.7	6.7	14	10	14
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	14	11	13	16	19	18	14	14	14	14	4.7	4.7	11	12	13
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.8	3.2	3.8	4.3	5.4	5	3.8	3.8	3.8	3.8	1.3	1.3	3.2	3.4	3.7
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	217	181	216	250	314	292	225	225	225	225	77	77	185	198	213
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTRF Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	31	26	31	35	44	41	31	31	31	31	11	11	26	28	30
46 PPL Share	31	26	31	35	44	41	31	31	31	31	11	11	26	28	30
47 PSE Share	18	15	18	20	25	24	18	18	18	18	6.2	6.2	15	16	17

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	17	14	17	19	24	22	17	17	17	17	5.8	5.8	14	15	16
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	17	14	17	19	24	22	17	17	17	17	5.9	5.9	14	15	16
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
2 Wanapum Before Enc	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
-Wanapum-															
3 AVWP Share	9.6	7.4	11	13	17	16	12	12	12	12	5.4	5.3	11	8.2	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.7	2.1	3.2	3.8	4.8	4.4	3.2	3.2	3.2	3.2	1.5	1.5	3	2.3	3.1
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	156	120	184	219	291	267	194	194	194	193	89	89	181	137	186
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTFR Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	22	17	26	31	40	36	26	26	26	26	12	12	25	19	25
19 PPL Share	22	17	26	31	40	36	26	26	26	26	12	12	25	19	25
20 PSE Share	13	9.7	15	18	23	21	15	15	15	15	7	7	14	11	15
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	12	9.1	14	17	21	20	14	14	14	14	6.6	6.6	13	10	14
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	12	9.1	14	17	22	20	14	14	14	14	6.6	6.6	13	10	14
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	13	11	13	15	19	18	14	14	14	14	4.7	4.7	11	12	13
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.7	3.1	3.7	4.3	5.3	4.9	3.8	3.8	3.8	3.8	1.3	1.3	3.1	3.3	3.6
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	219	182	217	251	316	295	226	226	226	226	78	78	186	199	215
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTFR Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	31	25	30	35	43	40	31	31	31	31	11	11	25	27	29
46 PPL Share	31	25	30	35	43	40	31	31	31	31	11	11	25	27	29
47 PSE Share	18	15	17	20	25	23	18	18	18	18	6.2	6.2	15	16	17

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	16	14	16	19	23	22	17	17	17	17	5.8	5.8	14	15	16
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	17	14	17	19	23	22	17	17	17	17	5.8	5.8	14	15	16
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

Table A-20: Wanapum and Priest Rapids Allocation
 PNW Loads and Resource Study
 2012 - 2013 Operating Year
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Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
2 Wanapum Before Enc	344	281	387	451	573	532	401	401	401	401	222	222	384	308	390
-Wanapum-															
3 AVWP Share	9.4	7.2	11	13	17	16	11	11	11	11	5.3	5.3	11	8.1	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.6	2	3.1	3.7	4.8	4.4	3.2	3.2	3.2	3.2	1.5	1.5	3.0	2.3	3.1
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	157	121	186	221	293	269	195	195	195	195	90	90	182	138	187
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTFR Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	21	17	25	30	39	36	26	26	26	26	12	12	24	18	25
19 PPL Share	21	17	25	30	39	36	26	26	26	26	12	12	24	18	25
20 PSE Share	12	9.5	15	17	23	21	15	15	15	15	6.9	6.9	14	11	14
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	12	8.9	14	16	21	19	14	14	14	14	6.5	6.5	13	9.9	14
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	12	9.0	14	16	21	20	14	14	14	14	6.5	6.5	13	10	14
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	13	11	13	15	19	17	13	13	13	13	4.6	4.6	11	12	13
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.7	3.1	3.6	4.2	5.2	4.9	3.7	3.7	3.7	3.7	1.3	1.3	3.1	3.3	3.6
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	220	184	219	253	319	297	228	228	228	228	79	79	188	201	216
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTFR Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	30	25	30	35	43	40	31	31	31	31	11	11	25	27	29
46 PPL Share	30	25	30	35	43	40	31	31	31	31	11	11	25	27	29
47 PSE Share	17	14	17	20	25	23	18	18	18	18	6.1	6.1	14	15	17

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	16	14	16	19	23	21	16	16	16	16	5.7	5.7	14	14	16
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	16	14	16	19	23	22	17	17	17	17	5.7	5.7	14	15	16
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	308	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	384	308	391
-Wanapum-															
3 AVWP Share	9.3	7.2	11	13	17	16	11	11	11	11	5.2	5.2	11	8.0	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.6	2.0	3.1	3.6	4.7	4.4	3.2	3.2	3.2	3.2	1.5	1.5	2.9	2.2	3
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	159	122	187	223	296	271	197	197	197	196	91	91	184	139	189
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTFR Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	21	16	25	30	39	35	26	26	26	26	12	12	24	18	25
19 PPL Share	21	16	25	30	39	35	26	26	26	26	12	12	24	18	25
20 PSE Share	12	9.4	14	17	22	20	15	15	15	15	6.8	6.8	14	10	14
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	11	8.8	13	16	21	19	14	14	14	14	6.4	6.4	13	9.8	13
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	12	8.8	14	16	21	19	14	14	14	14	6.4	6.4	13	9.9	13
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	13	11	13	15	18	17	13	13	13	13	4.5	4.5	11	12	13
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.6	3	3.6	4.2	5.2	4.8	3.7	3.7	3.7	3.7	1.3	1.3	3	3.3	3.5
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	222	185	221	255	321	299	230	230	230	230	79	79	189	203	218
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTFR Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	30	25	30	34	42	39	30	30	30	30	10	10	25	26	29
46 PPL Share	30	25	30	34	42	39	30	30	30	30	10	10	25	26	29
47 PSE Share	17	14	17	20	24	23	17	17	17	17	6.0	6.0	14	15	17

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	16	13	16	18	23	21	16	16	16	16	5.6	5.6	13	14	15
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	16	13	16	19	23	21	16	16	16	16	5.6	5.6	13	14	16
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	384	309	391
-Wanapum-															
3 AVWP Share	9.2	7	11	13	17	15	11	11	11	11	5.1	5.1	10	7.9	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.6	2.0	3	3.6	4.6	4.3	3.1	3.1	3.1	3.1	1.4	1.4	2.9	2.2	3.0
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	160	123	189	224	298	273	199	198	198	198	92	91	185	140	190
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTFR Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	21	16	25	29	38	35	25	25	25	25	12	12	24	18	24
19 PPL Share	21	16	25	29	38	35	25	25	25	25	12	12	24	18	24
20 PSE Share	12	9.3	14	17	22	20	15	15	15	15	6.7	6.7	14	10	14
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	11	8.7	13	16	20	19	14	14	14	14	6.3	6.3	13	9.6	13
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	11	8.7	13	16	21	19	14	14	14	14	6.3	6.3	13	9.7	13
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
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28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	13	11	13	15	18	17	13	13	13	13	4.5	4.5	11	11	12
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.6	3.0	3.6	4.1	5	4.7	3.6	3.6	3.6	3.6	1.2	1.2	3.0	3.2	3.5
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	224	187	223	257	324	302	232	232	232	232	80	80	191	204	220
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTFR Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	29	24	29	34	41	39	30	30	30	30	10	10	24	26	28
46 PPL Share	29	24	29	34	41	39	30	30	30	30	10	10	24	26	28
47 PSE Share	17	14	17	19	24	22	17	17	17	17	5.9	5.9	14	15	16

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	16	13	16	18	22	21	16	16	16	16	5.5	5.5	13	14	15
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	16	13	16	18	22	21	16	16	16	16	5.5	5.5	13	14	15
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

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Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
-Wanapum-															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	385	308	391
2 Wanapum Before Enc	344	281	387	451	573	532	402	401	401	401	222	222	385	308	391
-Wanapum-															
3 AVWP Share	9	6.9	11	13	17	15	11	11	11	11	5.1	5.1	10	7.9	11
4 COPD Share	7.2	5.6	8.5	10	13	12	8.9	8.9	8.9	8.9	4.1	4.1	8.3	6.3	8.6
5 CWPC Share	0.3	0.2	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.3	0.3	0.4
6 EWEB Share	2.5	1.9	3.0	3.5	4.6	4.3	3.1	3.1	3.1	3.1	1.4	1.4	2.9	2.2	3.0
7 FGRV Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
8 FREC Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
9 GCPD Share	161	124	190	226	298	273	199	198	198	198	92	91	185	140	191
10 ICLP Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0.4	0.3	0.4	0.5	0.7	0.6	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.4
12 KOOT Share	0.5	0.4	0.6	0.7	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.6	0.4	0.6
13 LREC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
14 LVE Share	0.7	0.5	0.8	0.9	1.2	1.1	0.8	0.8	0.8	0.8	0.4	0.4	0.8	0.6	0.8
15 MCMN Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
16 MTFR Share	1.1	0.9	1.3	1.6	2.1	1.9	1.4	1.4	1.4	1.4	0.6	0.6	1.3	1.0	1.3
17 NLEC Share	0.5	0.4	0.5	0.6	0.8	0.8	0.6	0.6	0.6	0.6	0.3	0.3	0.5	0.4	0.5
18 PGE Share	21	16	24	29	38	35	25	25	25	25	12	12	24	18	24
19 PPL Share	21	16	24	29	38	35	25	25	25	25	12	12	24	18	24
20 PSE Share	12	9.1	14	17	22	20	15	15	15	15	6.7	6.7	14	10	14
21 RREC Share	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	11	8.5	13	16	20	19	14	14	14	14	6.3	6.3	13	9.6	13
23 SLEC Share	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
24 TPU Share	11	8.6	13	16	21	19	14	14	14	14	6.3	6.3	13	9.7	13
25 UNEC Share	0.2	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2
26 UNKMKT Share	8.1	6.2	9.6	11	15	14	10.0	10.0	10.0	9.9	4.6	4.6	9.3	7.1	9.6
27 Wanapum After Enc	270	208	319	379	500	458	332	332	332	332	153	153	310	235	319
-Priest Rapids-															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
29 Priest Rapids Before Enc	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
-Priest Rapids-															
30 AVWP Share	13	11	13	15	18	17	13	13	13	13	4.5	4.5	11	11	12
31 COPD Share	10	8.4	10	12	15	14	10	10	10	10	3.6	3.6	8.6	9.2	9.9
32 CWPC Share	0.4	0.3	0.4	0.5	0.6	0.6	0.4	0.4	0.4	0.4	0.1	0.1	0.4	0.4	0.4
33 EWEB Share	3.5	2.9	3.5	4	5	4.7	3.6	3.6	3.6	3.6	1.2	1.2	3.0	3.2	3.4
34 FGRV Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
35 FREC Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
36 GCPD Share	226	188	224	260	324	302	232	232	232	232	80	80	191	204	220
37 ICLP Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
38 KITT Share	0.5	0.4	0.5	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.2	0.2	0.4	0.5	0.5
39 KOOT Share	0.7	0.6	0.7	0.8	1	1.0	0.7	0.7	0.7	0.7	0.3	0.3	0.6	0.7	0.7
40 LREC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
41 LVE Share	0.9	0.8	0.9	1.1	1.4	1.3	1.0	1.0	1.0	1.0	0.3	0.3	0.8	0.9	0.9
42 MCMN Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
43 MTFR Share	1.6	1.3	1.6	1.8	2.3	2.1	1.6	1.6	1.6	1.6	0.6	0.6	1.3	1.4	1.6
44 NLEC Share	0.6	0.5	0.6	0.7	0.9	0.9	0.7	0.7	0.7	0.7	0.2	0.2	0.5	0.6	0.6
45 PGE Share	29	24	29	33	41	39	30	30	30	30	10	10	24	26	28
46 PPL Share	29	24	29	33	41	39	30	30	30	30	10	10	24	26	28
47 PSE Share	17	14	17	19	24	22	17	17	17	17	5.9	5.9	14	15	16

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

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
48 RREC Share	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
49 SCL Share	16	13	15	18	22	21	16	16	16	16	5.5	5.5	13	14	15
50 SLEC Share	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0	0	0.1	0.1	0.1
51 TPU Share	16	13	16	18	22	21	16	16	16	16	5.5	5.5	13	14	15
52 UNEC Share	0.3	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.1	0.1	0.2	0.2	0.3
53 UNKMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
54 Priest Rapids After Enc	378	315	376	435	543	506	389	389	389	389	134	134	320	342	369

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

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Swift 1-</i>															
1 Swift 1	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
2 Swift 1 Before Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 1-</i>															
3 COPD Share	8.2	6.9	6.3	8.8	34	24	14	6.7	12	40	18	0	34	13	16
4 PPL Share	23	20	18	25	97	68	39	19	33	114	53	0	96	38	45
5 Swift 1 After Enc	31	27	24	34	131	92	52	26	45	154	71	0	130	51	61
<i>-Swift 2-</i>															
6 Swift 2	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
7 Swift 2 Before Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22
<i>-Swift 2-</i>															
8 COPD Share	2.2	1.9	1.8	2.5	12	10.0	6.2	3.2	5.3	18	8.2	0	10	3.7	5.8
9 PPL Share	6.4	5.4	5	7.3	33	28	18	9	15	51	23	0	29	11	17
10 Swift 2 After Enc	8.6	7.3	6.8	9.8	44	38	24	12	20	69	31	0	40	14	22

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Table A-22
BPA Power Sales Contracts
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	116	116	105	114	131	142	145	139	128	114	114	110	111	121	123
2 Total Federal Entities	116	116	105	114	131	142	145	139	128	114	114	110	111	121	123
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0	44
6 Total Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0	44
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	1787	1788	1883	2239	2628	2901	2934	2878	2672	2374	2368	2151	1898	1867	2351
8 Total Generating Public Entities	1787	1788	1883	2239	2628	2901	2934	2878	2672	2374	2368	2151	1898	1867	2351
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1200	1023	924	971	1107	1079	849	885	935	894	807	862	1148	1116	987
10 Total Generating Public Entities (Slice)	1200	1023	924	971	1107	1079	849	885	935	894	807	862	1148	1116	987
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	2749	2764	2540	2670	3037	3371	3428	3318	2970	2800	2792	2777	2887	3011	2963
12 Total Non-Generating Public Entities	2749	2764	2540	2670	3037	3371	3428	3318	2970	2800	2792	2777	2887	3011	2963
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	721	615	555	583	665	648	510	532	561	537	485	518	690	670	592
14 Total Non-Gen. Public Entities (Slice)	721	615	555	583	665	648	510	532	561	537	485	518	690	670	592
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
16 Total Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	116	116	105	114	131	142	145	139	128	114	114	110	111	121	123
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	265	265	265	0	0	0	0	0	0	0	0	0	0	0	44
22 Generating Public Entities	2987	2811	2807	3210	3735	3980	3783	3763	3607	3268	3175	3013	3046	2983	3338
23 Non-Generating Public Entities	3469	3379	3095	3253	3702	4019	3938	3849	3531	3337	3276	3295	3577	3681	3556
24 Investor-Owned Entities	382	382	382	0	0	0	0	0	0	0	0	0	0	0	64
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7472	7212	6873	6671	7583	8172	7936	7831	7317	6925	6807	6708	7021	7096	7285

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	122	122	111	119	137	149	152	146	134	119	119	115	116	126	129
2 Total Federal Entities	122	122	111	119	137	149	152	146	134	119	119	115	116	126	129
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	1989	1989	2186	2209	2562	2799	2829	2756	2601	2333	2327	1966	1885	1894	2334
8 Total Generating Public Entities	1989	1989	2186	2209	2562	2799	2829	2756	2601	2333	2327	1966	1885	1894	2334
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1201	1023	924	973	1110	1082	851	887	937	896	809	954	1266	1130	1007
10 Total Generating Public Entities (Slice)	1201	1023	924	973	1110	1082	851	887	937	896	809	954	1266	1130	1007
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	2935	2935	2654	2744	3106	3442	3500	3354	3031	2856	2847	2829	2940	3066	3038
12 Total Non-Generating Public Entities	2935	2935	2654	2744	3106	3442	3500	3354	3031	2856	2847	2829	2940	3066	3038
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	721	614	555	584	666	650	511	533	563	538	486	573	760	679	604
14 Total Non-Gen. Public Entities (Slice)	721	614	555	584	666	650	511	533	563	538	486	573	760	679	604
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	122	122	111	119	137	149	152	146	134	119	119	115	116	126	129
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3190	3012	3109	3183	3672	3880	3680	3643	3539	3229	3137	2920	3150	3025	3340
23 Non-Generating Public Entities	3656	3549	3208	3329	3772	4092	4011	3887	3594	3394	3333	3402	3700	3745	3642
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7220	6943	6647	6725	7595	8152	7913	7755	7316	6948	6831	6726	7254	7206	7272

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	128	128	116	129	149	162	164	158	145	129	128	124	126	136	139
2 Total Federal Entities	128	128	116	129	149	162	164	158	145	129	128	124	126	136	139
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2012	2012	2195	2223	2579	2816	2847	2809	2624	2349	2343	1980	1899	1910	2353
8 Total Generating Public Entities	2012	2012	2195	2223	2579	2816	2847	2809	2624	2349	2343	1980	1899	1910	2353
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1215	1036	926	976	1113	1085	854	890	940	909	823	878	1178	1166	1000
10 Total Generating Public Entities (Slice)	1215	1036	926	976	1113	1085	854	890	940	909	823	878	1178	1166	1000
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	2989	2989	2705	2770	3136	3475	3534	3420	3058	2881	2872	2853	2965	3092	3073
12 Total Non-Generating Public Entities	2989	2989	2705	2770	3136	3475	3534	3420	3058	2881	2872	2853	2965	3092	3073
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	730	622	556	586	668	651	513	535	564	546	494	527	707	700	600
14 Total Non-Gen. Public Entities (Slice)	730	622	556	586	668	651	513	535	564	546	494	527	707	700	600
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	128	128	116	129	149	162	164	158	145	129	128	124	126	136	139
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3227	3048	3121	3199	3691	3900	3700	3699	3564	3257	3165	2858	3077	3076	3353
23 Non-Generating Public Entities	3719	3611	3262	3356	3804	4126	4046	3955	3623	3427	3367	3380	3672	3792	3673
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7326	7046	6718	6778	7658	8219	7981	7891	7382	7018	6903	6652	7162	7315	7325

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	138	138	125	130	149	162	165	159	145	129	129	125	126	137	141
2 Total Federal Entities	138	138	125	130	149	162	165	159	145	129	129	125	126	137	141
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2027	2027	2210	2239	2598	2835	2867	2829	2642	2366	2360	1996	1916	1927	2371
8 Total Generating Public Entities	2027	2027	2210	2239	2598	2835	2867	2829	2642	2366	2360	1996	1916	1927	2371
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1230	1050	914	971	1108	1080	849	885	935	903	817	961	1287	1161	1013
10 Total Generating Public Entities (Slice)	1230	1050	914	971	1108	1080	849	885	935	903	817	961	1287	1161	1013
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3014	3014	2729	2792	3160	3501	3561	3447	3083	2904	2895	2874	2986	3114	3097
12 Total Non-Generating Public Entities	3014	3014	2729	2792	3160	3501	3561	3447	3083	2904	2895	2874	2986	3114	3097
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	738	630	549	583	665	649	510	532	562	542	491	577	773	697	608
14 Total Non-Gen. Public Entities (Slice)	738	630	549	583	665	649	510	532	562	542	491	577	773	697	608
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	138	138	125	130	149	162	165	159	145	129	129	125	126	137	141
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3257	3077	3124	3211	3706	3916	3716	3714	3577	3269	3177	2957	3203	3089	3384
23 Non-Generating Public Entities	3753	3645	3278	3375	3825	4150	4071	3979	3645	3446	3385	3451	3759	3812	3705
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7400	7118	6746	6810	7695	8259	8022	7931	7417	7050	6934	6823	7375	7348	7390

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	139	139	125	130	150	163	166	160	146	130	130	125	127	138	142
2 Total Federal Entities	139	139	125	130	150	163	166	160	146	130	130	125	127	138	142
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2044	2047	2226	2256	2617	2856	2888	2850	2660	2385	2378	2012	1933	1945	2389
8 Total Generating Public Entities	2044	2047	2226	2256	2617	2856	2888	2850	2660	2385	2378	2012	1933	1945	2389
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1244	1064	928	978	1115	1087	856	892	942	909	823	879	1179	1168	1004
10 Total Generating Public Entities (Slice)	1244	1064	928	978	1115	1087	856	892	942	909	823	879	1179	1168	1004
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3036	3244	2749	2814	3187	3531	3591	3475	3108	2927	2918	2896	3008	3138	3130
12 Total Non-Generating Public Entities	3036	3244	2749	2814	3187	3531	3591	3475	3108	2927	2918	2896	3008	3138	3130
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	747	639	557	588	670	653	514	536	566	546	494	528	708	701	603
14 Total Non-Gen. Public Entities (Slice)	747	639	557	588	670	653	514	536	566	546	494	528	708	701	603
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	139	139	125	130	150	163	166	160	146	130	130	125	127	138	142
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3288	3111	3154	3234	3732	3943	3744	3742	3602	3294	3202	2891	3112	3113	3393
23 Non-Generating Public Entities	3783	3883	3306	3402	3856	4184	4104	4011	3674	3473	3412	3424	3717	3839	3733
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7462	7391	6805	6860	7753	8321	8084	7992	7472	7102	6986	6730	7242	7400	7428

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	139	139	126	131	151	164	167	159	147	130	130	126	128	139	142
2 Total Federal Entities	139	139	126	131	151	164	167	159	147	130	130	126	128	139	142
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2061	2061	2243	2104	2447	2669	2714	2646	2471	2240	2234	1978	2147	1923	2303
8 Total Generating Public Entities	2061	2061	2243	2104	2447	2669	2714	2646	2471	2240	2234	1978	2147	1923	2303
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1246	1066	930	980	1117	1089	857	894	944	911	825	969	1296	1170	1022
10 Total Generating Public Entities (Slice)	1246	1066	930	980	1117	1089	857	894	944	911	825	969	1296	1170	1022
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3055	3055	2767	2829	3204	3550	3611	3456	3125	2942	2933	2921	3041	3171	3139
12 Total Non-Generating Public Entities	3055	3055	2767	2829	3204	3550	3611	3456	3125	2942	2933	2921	3041	3171	3139
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	748	640	558	589	671	654	515	537	567	547	495	582	778	702	614
14 Total Non-Gen. Public Entities (Slice)	748	640	558	589	671	654	515	537	567	547	495	582	778	702	614
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	139	139	126	131	151	164	167	159	147	130	130	126	128	139	142
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3308	3127	3173	3084	3564	3758	3572	3540	3414	3151	3059	2947	3442	3093	3326
23 Non-Generating Public Entities	3803	3695	3325	3418	3875	4204	4126	3993	3692	3489	3428	3503	3819	3874	3753
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7502	7220	6843	6727	7604	8157	7935	7771	7303	6976	6859	6866	7675	7415	7381

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	140	140	127	131	151	163	168	161	147	131	131	126	128	140	143
2 Total Federal Entities	140	140	127	131	151	163	168	161	147	131	131	126	128	140	143
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	1960	1960	2107	2123	2470	2692	2743	2744	2492	2263	2257	1998	2167	1946	2308
8 Total Generating Public Entities	1960	1960	2107	2123	2470	2692	2743	2744	2492	2263	2257	1998	2167	1946	2308
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1251	1070	933	984	1121	1093	861	897	947	914	828	883	1184	1174	1009
10 Total Generating Public Entities (Slice)	1251	1070	933	984	1121	1093	861	897	947	914	828	883	1184	1174	1009
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3091	3091	2784	2833	3209	3556	3636	3524	3147	2962	2953	2941	3061	3192	3161
12 Total Non-Generating Public Entities	3091	3091	2784	2833	3209	3556	3636	3524	3147	2962	2953	2941	3061	3192	3161
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	751	642	560	591	673	656	517	539	569	549	497	530	711	705	606
14 Total Non-Gen. Public Entities (Slice)	751	642	560	591	673	656	517	539	569	549	497	530	711	705	606
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	140	140	127	131	151	163	168	161	147	131	131	126	128	140	143
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3211	3030	3040	3107	3591	3785	3603	3641	3439	3177	3084	2881	3351	3120	3317
23 Non-Generating Public Entities	3842	3733	3345	3424	3882	4212	4153	4062	3716	3511	3450	3471	3772	3897	3767
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7445	7162	6730	6756	7638	8191	7994	7944	7353	7024	6908	6768	7537	7467	7387

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	141	141	127	132	153	165	169	163	149	132	132	127	129	141	144
2 Total Federal Entities	141	141	127	132	153	165	169	163	149	132	132	127	129	141	144
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	1982	1982	2128	2155	2507	2731	2782	2778	2526	2296	2290	2027	2196	1975	2340
8 Total Generating Public Entities	1982	1982	2128	2155	2507	2731	2782	2778	2526	2296	2290	2027	2196	1975	2340
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1255	1073	936	987	1124	1096	864	900	950	916	830	974	1301	1178	1029
10 Total Generating Public Entities (Slice)	1255	1073	936	987	1124	1096	864	900	950	916	830	974	1301	1178	1029
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3111	3111	2803	2865	3247	3597	3679	3564	3184	2996	2987	2973	3094	3227	3195
12 Total Non-Generating Public Entities	3111	3111	2803	2865	3247	3597	3679	3564	3184	2996	2987	2973	3094	3227	3195
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	753	644	562	593	675	658	519	540	571	550	498	585	782	707	618
14 Total Non-Gen. Public Entities (Slice)	753	644	562	593	675	658	519	540	571	550	498	585	782	707	618
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	141	141	127	132	153	165	169	163	149	132	132	127	129	141	144
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3236	3055	3063	3142	3631	3827	3645	3677	3476	3212	3119	3001	3497	3153	3369
23 Non-Generating Public Entities	3864	3755	3365	3458	3922	4255	4197	4104	3755	3547	3485	3558	3875	3934	3813
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7494	7211	6775	6826	7720	8279	8082	8023	7430	7096	6979	6977	7788	7539	7486

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	143	143	128	134	154	166	170	164	150	133	133	128	130	143	145
2 Total Federal Entities	143	143	128	134	154	166	170	164	150	133	133	128	130	143	145
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2011	2011	2160	2186	2541	2772	2823	2822	2560	2329	2323	2056	2227	2007	2374
8 Total Generating Public Entities	2011	2011	2160	2186	2541	2772	2823	2822	2560	2329	2323	2056	2227	2007	2374
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1258	1077	938	990	1127	1100	867	903	953	919	832	888	1190	1181	1015
10 Total Generating Public Entities (Slice)	1258	1077	938	990	1127	1100	867	903	953	919	832	888	1190	1181	1015
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3145	3145	2835	2898	3284	3637	3720	3605	3220	3030	3020	3006	3127	3261	3230
12 Total Non-Generating Public Entities	3145	3145	2835	2898	3284	3637	3720	3605	3220	3030	3020	3006	3127	3261	3230
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	755	647	564	594	677	660	520	542	572	552	500	533	714	709	609
14 Total Non-Gen. Public Entities (Slice)	755	647	564	594	677	660	520	542	572	552	500	533	714	709	609
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	143	143	128	134	154	166	170	164	150	133	133	128	130	143	145
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3269	3088	3098	3176	3669	3871	3689	3725	3513	3248	3155	2943	3417	3188	3389
23 Non-Generating Public Entities	3901	3792	3398	3493	3961	4297	4240	4147	3793	3582	3520	3539	3842	3970	3840
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7565	7281	6844	6897	7798	8366	8170	8115	7506	7169	7050	6901	7675	7612	7535

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	144	144	130	135	156	168	172	164	151	134	134	130	131	145	147
2 Total Federal Entities	144	144	130	135	156	168	172	164	151	134	134	130	131	145	147
<i>-U.S. Bureau of Reclamation-</i>															
3 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
4 Total U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Total Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2042	2042	2191	2219	2580	2813	2864	2789	2599	2365	2358	2087	2260	2039	2404
8 Total Generating Public Entities	2042	2042	2191	2219	2580	2813	2864	2789	2599	2365	2358	2087	2260	2039	2404
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1262	1080	941	993	1131	1103	870	906	956	922	834	979	1307	1185	1035
10 Total Generating Public Entities (Slice)	1262	1080	941	993	1131	1103	870	906	956	922	834	979	1307	1185	1035
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3179	3179	2867	2934	3324	3682	3765	3592	3259	3066	3056	3041	3163	3298	3264
12 Total Non-Generating Public Entities	3179	3179	2867	2934	3324	3682	3765	3592	3259	3066	3056	3041	3163	3298	3264
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	758	649	565	596	679	662	522	544	574	553	501	588	785	712	621
14 Total Non-Gen. Public Entities (Slice)	758	649	565	596	679	662	522	544	574	553	501	588	785	712	621
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Total Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>-Power Sales Contracts-</i>															
19 Federal Entities	144	144	130	135	156	168	172	164	151	134	134	130	131	145	147
20 U.S. Bureau of Reclamation	252	259	219	94	14	31	70	79	50	206	242	290	287	310	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3304	3122	3133	3212	3710	3916	3734	3694	3555	3286	3193	3066	3567	3224	3439
23 Non-Generating Public Entities	3937	3828	3432	3530	4002	4344	4287	4136	3833	3619	3557	3629	3947	4010	3885
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Total Power Sales Contracts	7637	7353	6913	6972	7883	8459	8263	8073	7590	7246	7126	7114	7932	7689	7631

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Table A-23
Non Utility Generating Resources by Owner
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	70.9	69.3	53.5	61.6	79.4	80.1	76.3	70.3	96.6	100.2	100.0	94.6	80.5	67.6	77.6
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	71.1	69.5	53.7	61.8	79.6	80.3	76.5	70.5	96.8	100.4	100.2	94.8	80.7	67.8	77.8
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.3	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.4	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.0	116.0	87.3	53.8	35.1	31.2	25.7	22.0	63.9	87.1	86.7	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	258.3	256.4	202.1	142.8	116.1	112.3	108.9	98.9	143.8	212.4	212.0	299.0	320.1	319.1	194.4
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
23 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
24 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
25 Oregon Trail Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
26 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
28 Total Non-Generating Public Ent.	2.8	2.8	2.8	3.5	5.3	5.7	6.1	5.2	4.1	3.8	3.8	3.5	3.3	2.7	4.1
<i>-Investor-Owned Entities-</i>															
29 Avista Corp (WWP Division)	198.6	198.5	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.3	210.2	215.9	216.0	209.1
30 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
31 Northwestern Energy LLC (MPC)	27.9	28.5	26.9	21.9	20.3	22.4	23.3	22.2	19.8	15.8	15.4	32.8	35.3	26.4	24.6
32 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.4	73.3	86.5	77.1	71.5	73.9
33 Portland General Electric	25.8	26.8	37.3	35.3	40.3	40.5	37.6	42.8	52.6	39.7	39.7	55.7	47.6	46.9	41.9
34 Puget Sound Energy	539.6	540.3	562.2	567.7	581.4	620.7	605.1	591.6	678.5	618.5	617.5	542.0	665.9	636.7	600.8
35 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
36 Total Investor-owned Entities	1013.0	1015.7	1047.5	1014.6	1026.6	1060.5	1017.2	1023.6	1142.1	1000.9	999.5	1082.6	1211.6	1164.3	1067.1
<i>-Other Entities'</i>															
37 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
38 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
39 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
40 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
42 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
43 Federal Entities	71	69	54	62	80	80	77	71	97	100	100	95	81	68	78
44 Public Entities	261	259	205	146	121	118	115	104	148	216	216	303	323	322	198
45 Investor-Owned Entities	1013	1016	1048	1015	1027	1060	1017	1024	1142	1001	1000	1083	1212	1164	1067
46 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
47 Total Non-Utility Generation	1385	1385	1349	1266	1272	1303	1253	1242	1434	1358	1356	1525	1661	1598	1387

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	70.9	69.3	53.5	61.6	79.4	80.1	76.3	69.5	96.6	100.2	100.0	94.6	80.5	67.6	77.5
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	71.1	69.5	53.7	61.8	79.6	80.3	76.5	69.7	96.8	100.4	100.2	94.8	80.7	67.8	77.7
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	7.0
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.3	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.0	116.0	87.3	53.8	35.1	31.2	25.7	21.9	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	258.3	256.4	202.1	142.8	116.1	112.3	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	200.8
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	3.8
23 Lakeview L & P (WA)	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	3.8
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 Tanner Elec Coop	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.6
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	2.8	2.8	2.8	3.5	5.3	5.7	19.6	16.2	26.4	11.4	11.4	19.5	19.8	13.1	12.2
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	198.6	198.5	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.4	210.2	215.9	216.0	209.1
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	28.2	28.8	27.1	22.1	20.6	22.6	23.4	22.4	19.9	15.9	15.6	33.0	27.9	26.5	24.2
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	25.8	26.8	37.3	35.3	40.3	40.5	37.6	42.8	52.6	39.7	39.7	55.7	47.6	46.9	41.9
36 Puget Sound Energy	594.9	595.6	615.1	621.1	635.8	620.7	605.1	592.9	678.8	618.5	617.5	542.3	665.3	635.1	618.8
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1068.5	1071.2	1100.7	1068.3	1081.2	1060.7	1017.3	1024.9	1142.6	1001.0	999.7	1083.1	1203.7	1162.9	1084.6
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	71	69	54	62	80	80	77	70	97	100	100	95	81	68	78
46 Public Entities	261	259	205	146	121	118	139	124	188	230	230	331	353	340	213
47 Investor-Owned Entities	1069	1071	1101	1068	1081	1061	1017	1025	1143	1001	1000	1083	1204	1163	1085
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1441	1440	1402	1320	1327	1304	1278	1262	1474	1371	1370	1554	1682	1615	1419

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PNW Loads and Resource Study
2008 - 2009 Operating Years
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3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
-Federal Entities-															
1 BPA - Power Business	70.6	69.5	53.5	61.6	79.4	80.1	76.3	70.3	96.6	100.2	100.0	94.6	80.5	67.6	77.6
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	70.8	69.7	53.7	61.8	79.6	80.3	76.5	70.5	96.8	100.4	100.2	94.8	80.7	67.8	77.8
-Generating Public Entities-															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.2	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	117.5	116.4	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
-Non-Generating Public Entities-															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.7	9.1	15.4	16.7	20.1	17.9	19.6	16.2	26.4	11.4	11.4	19.5	19.8	13.1	17.1
-Investor-Owned Entities-															
31 Avista Corp (WWP Division)	198.5	198.6	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.4	210.2	215.9	216.0	209.1
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	28.3	29.0	27.3	22.2	20.8	22.8	23.6	22.5	20.1	16.0	15.7	33.2	28.1	26.7	24.3
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	594.0	595.9	614.8	621.1	635.8	621.3	605.7	592.9	678.8	618.5	618.8	542.6	665.3	635.1	618.9
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1068.1	1072.2	1100.9	1068.8	1081.8	1061.9	1018.5	1025.5	1143.1	1001.5	1001.5	1084.0	1204.2	1163.4	1085.3
-Other Entities'															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
-Total Non-Utility Generating Resources-															
45 Federal Entities	71	70	54	62	80	80	77	71	97	100	100	95	81	68	78
46 Public Entities	271	271	227	170	148	140	139	124	188	230	230	331	353	340	222
47 Investor-Owned Entities	1068	1072	1101	1069	1082	1062	1018	1025	1143	1002	1001	1084	1204	1163	1085
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1450	1453	1425	1344	1354	1327	1279	1263	1475	1372	1372	1555	1683	1616	1429

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PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	70.6	69.5	53.5	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	98.0
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	70.8	69.7	53.7	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	98.2
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.2	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	117.5	116.4	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.7	9.1	15.4	16.7	20.1	17.9	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.9
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	198.5	198.6	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.4	210.2	215.9	216.0	209.1
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	28.5	29.1	27.4	22.3	20.9	22.9	23.8	22.8	20.2	16.2	15.8	33.4	35.9	26.9	25.1
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	594.3	595.3	613.2	620.1	636.1	621.0	605.7	592.9	679.4	619.1	618.8	542.6	665.3	636.4	618.8
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1068.6	1071.7	1099.5	1067.9	1082.2	1061.8	1018.7	1025.7	1143.9	1002.3	1001.6	1084.2	1212.1	1164.9	1086.1
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	71	70	54	101	106	103	100	97	124	108	108	106	107	102	98
46 Public Entities	271	271	227	170	148	140	139	123	187	229	229	331	353	340	222
47 Investor-Owned Entities	1069	1072	1100	1068	1082	1062	1019	1026	1144	1002	1002	1084	1212	1165	1086
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1451	1452	1424	1383	1380	1349	1302	1290	1503	1380	1380	1566	1716	1651	1450

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	96.7	96.2	97.0	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.9	96.4	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.4	7.2	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.4	115.6	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Ent.	263.4	260.9	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	198.7	198.4	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.4	210.2	215.9	216.0	209.1
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	28.7	29.3	27.6	22.5	28.4	30.4	31.1	30.5	28.0	22.9	22.4	33.4	28.3	26.9	28.2
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	594.6	595.3	613.2	620.5	635.5	619.4	604.7	593.2	679.1	619.1	618.8	543.2	665.9	636.4	618.7
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Ent.	1069.3	1071.8	1099.7	1068.4	1089.1	1067.7	1025.1	1033.7	1151.4	1009.0	1008.2	1084.8	1205.1	1164.9	1089.1
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	97	96	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	272	270	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1069	1072	1100	1068	1089	1068	1025	1034	1151	1009	1008	1085	1205	1165	1089
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1478	1478	1467	1383	1387	1355	1308	1298	1510	1387	1386	1567	1709	1651	1458

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2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.3	108.1	106.1	106.6	101.8	104.0
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.3	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.4	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.0	116.0	87.3	53.8	35.1	31.2	25.7	21.9	63.9	87.1	86.7	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.4	217.9	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	198.6	198.5	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.3	210.2	215.9	216.0	209.1
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	28.8	29.4	27.7	22.5	28.5	30.5	31.4	30.7	28.2	23.1	22.5	33.7	28.6	27.1	28.4
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.4	73.3	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	594.6	595.3	614.5	620.8	635.5	619.4	605.1	592.6	677.5	618.2	619.1	542.9	665.9	636.4	618.7
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1069.2	1071.9	1101.0	1068.8	1089.2	1067.8	1025.7	1033.4	1150.0	1008.3	1008.6	1084.8	1205.3	1165.1	1089.2
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	97	97	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	271	270	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1069	1072	1101	1069	1089	1068	1026	1033	1150	1008	1009	1085	1205	1165	1089
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1477	1479	1468	1383	1387	1355	1309	1298	1509	1386	1386	1567	1709	1651	1458

Table A-23: Regional NUG Resources By Owner
PNW Loads and Resource Study
2012 - 2013 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	96.5	96.4	97.0	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.3	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.0	116.0	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	198.6	198.5	210.2	212.6	219.4	230.5	225.3	217.5	222.3	130.4	130.4	210.2	215.9	157.0	204.2
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	29.0	29.6	27.9	22.7	28.7	30.7	31.7	31.0	28.5	23.3	22.8	34.0	36.7	27.4	29.3
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	595.2	595.9	614.5	620.8	635.5	620.7	605.4	592.6	677.5	618.5	618.5	541.3	665.0	636.7	618.6
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1070.1	1072.8	1101.2	1068.9	1089.4	1069.3	1026.3	1033.7	1150.3	1008.8	1008.3	1083.6	1212.5	1106.7	1085.2
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	97	97	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	271	270	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1070	1073	1101	1069	1089	1069	1026	1034	1150	1009	1008	1084	1212	1107	1085
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1478	1480	1469	1384	1387	1356	1309	1298	1509	1387	1386	1565	1717	1593	1454

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	96.5	96.4	97.0	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.3	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	118.0	116.0	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	150.6	150.5	153.2	157.6	164.4	172.5	173.3	169.5	169.3	80.4	80.4	165.2	163.9	157.0	156.4
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	29.3	29.9	28.2	22.9	29.0	31.0	32.3	31.6	29.0	23.8	23.3	34.7	29.4	27.4	29.1
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	594.9	595.9	614.5	621.4	636.1	620.7	605.4	592.6	678.8	618.8	618.5	541.3	665.3	636.1	618.8
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1022.1	1025.1	1044.5	1014.8	1035.3	1011.6	974.9	986.2	1099.1	959.6	958.7	1039.3	1153.6	1106.1	1037.3
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	97	97	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	271	270	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1022	1025	1044	1015	1035	1012	975	986	1099	960	959	1039	1154	1106	1037
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1430	1432	1412	1329	1333	1299	1258	1251	1458	1337	1337	1521	1658	1592	1407

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
-Federal Entities-															
1 BPA - Power Business	96.3	96.7	97.0	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.5	96.9	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
-Generating Public Entities-															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.2	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	117.5	116.4	87.3	53.8	35.1	31.2	25.7	22.0	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
-Non-Generating Public Entities-															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
-Investor-Owned Entities-															
31 Avista Corp (WWP Division)	150.5	150.6	153.2	157.6	164.4	172.5	173.3	169.5	169.3	80.4	80.4	165.2	163.9	157.0	156.4
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	29.3	29.9	28.2	22.9	29.0	31.0	32.3	31.6	29.0	23.8	23.3	34.7	29.4	27.4	29.1
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	593.3	595.0	614.8	621.1	636.1	620.7	606.0	593.2	678.8	618.8	618.5	542.6	665.6	636.1	619.0
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1020.4	1024.2	1044.8	1014.5	1035.3	1011.6	975.5	986.9	1099.1	959.6	958.7	1040.5	1153.9	1106.1	1037.5
-Other Entities'															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
-Total Non-Utility Generating Resources-															
45 Federal Entities	97	97	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	271	271	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1020	1024	1045	1014	1035	1012	975	987	1099	960	959	1041	1154	1106	1037
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1428	1432	1412	1329	1333	1299	1259	1251	1458	1337	1337	1522	1658	1592	1407

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

3/31/2006

Energy (aMW)	1-Aug	16-Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	1-Apr	16-Apr	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	96.3	96.7	97.0	101.2	105.5	102.7	99.5	97.2	124.2	108.0	108.0	105.9	106.4	101.6	103.8
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
3 Total Federal Entities	96.5	96.9	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
5 Clark County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 Cowlitz County PUD #1	5.0	5.3	10.3	10.9	12.6	10.6	11.7	9.5	18.1	6.5	6.5	13.0	13.4	8.5	10.9
7 Douglas County PUD #1	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
8 Eugene Water & Electric Board	7.2	7.3	7.4	8.2	8.5	8.4	7.9	6.8	12.5	9.3	9.3	8.7	8.7	7.5	8.4
9 Grant County PUD #2	14.4	14.4	9.2	7.7	5.7	5.7	6.3	5.2	4.6	13.6	13.6	16.6	17.4	16.4	10.2
10 Grays Harbor PUD #1	20.5	20.5	20.4	21.1	22.8	22.8	23.2	22.4	21.3	21.0	21.0	21.0	20.9	20.4	21.5
11 Okanogan County PUD #1	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
12 Seattle City Light	117.5	116.4	87.3	53.8	35.1	31.2	25.7	21.9	63.9	86.9	86.9	157.3	171.5	171.5	85.3
13 Snohomish County PUD #1	38.1	38.1	38.1	27.1	27.1	27.1	27.1	27.1	27.1	38.1	38.1	38.1	38.1	38.1	32.6
14 Tacoma Public Utilities	53.4	53.4	33.1	15.2	0.0	0.0	0.0	0.0	4.2	34.6	34.6	48.6	55.1	59.2	25.3
15 Total Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
<i>-Non-Generating Public Entities-</i>															
16 Ashland, City of	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
18 Clallam County PUD #1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19 Energy Northwest	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
21 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
22 Klickitat County PUD #1	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
23 Lakeview L & P (WA)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
24 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
25 Mason County PUD #1	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
26 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
27 Oregon Trail Coop	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28 Tanner Elec Coop	0.4	0.5	0.9	1.0	1.1	0.9	1.0	0.8	1.6	0.6	0.6	1.2	1.2	0.8	0.9
29 Tillamook PUD #1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
30 Total Non-Generating Public Ent	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
<i>-Investor-Owned Entities-</i>															
31 Avista Corp (WWP Division)	150.5	150.6	153.2	157.6	164.4	172.5	173.3	169.5	169.3	80.4	80.4	165.2	163.9	157.0	156.4
32 Idaho Power Company	151.3	151.3	135.3	101.9	85.3	63.7	63.7	68.0	85.6	118.9	118.9	149.4	161.3	160.4	112.1
33 Northwestern Energy LLC (MPC)	29.3	29.9	28.2	22.9	29.0	31.0	32.3	31.6	29.0	23.8	23.3	34.7	29.4	27.4	29.1
34 Pacific Power	65.2	65.6	71.1	71.0	75.7	79.1	59.4	77.6	79.2	73.3	73.4	86.5	77.1	71.5	73.9
35 Portland General Electric	26.2	27.2	37.7	35.7	40.7	40.9	38.0	43.2	53.0	40.1	40.1	56.1	48.0	47.3	42.3
36 Puget Sound Energy	593.3	595.3	614.2	619.5	635.1	621.0	605.7	593.2	678.8	619.4	619.1	542.6	665.6	636.1	618.8
37 Utah Power	4.7	4.7	4.6	4.3	4.1	3.6	2.8	3.8	4.3	4.3	4.3	6.1	8.5	6.4	4.8
38 Total Investor-owned Entities	1020.4	1024.6	1044.2	1012.9	1034.4	1011.9	975.2	986.9	1099.1	960.2	959.4	1040.5	1153.9	1106.1	1037.3
<i>-Other Entities'</i>															
39 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
40 FPL Energy Vansycle LLC	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
41 King County Property Services	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
42 PPM Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 SP Newsprint	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
44 Total Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
<i>-Total Non-Utility Generating Resources-</i>															
45 Federal Entities	97	97	97	101	106	103	100	97	124	108	108	106	107	102	104
46 Public Entities	271	271	227	170	148	140	139	123	187	229	229	331	353	340	221
47 Investor-Owned Entities	1020	1025	1044	1013	1034	1012	975	987	1099	960	959	1041	1154	1106	1037
48 Other Entities	40	40	43	44	45	45	45	44	47	40	40	45	45	44	44
49 Total Non-Utility Generation	1428	1432	1412	1328	1332	1299	1258	1251	1458	1338	1337	1522	1658	1592	1407

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Table A-24
Regional Non Utility Generating Resources by Project
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	2.9
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.8	1.4	1.2	1.1	1.2	1.2	1.8	1.8	3.1	3.3	1.9	1.7
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Elwah Hydro (BPA)	8.2	7.7	2.3	3.6	9.5	11.1	11.8	9.1	8.8	16.8	16.8	9.0	8.5	5.4	8.6
42 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
45 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
46 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
47 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
48 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
49 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
50 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2
52 Glines Hydro (BPA)	16.0	15.0	4.1	6.7	14.3	16.1	14.9	13.9	13.5	25.2	25.1	29.7	15.6	10.5	15.0
53 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
54 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
55 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
56 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
57 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
59 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
60 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
61 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
64 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
66 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
67 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
69 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
71 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
73 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
75 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
78 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
79 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
81 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
82 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
83 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
84 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
86 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
87 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
88 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
89 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
90 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
91 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
92 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
95 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
96 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
97 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
103 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
105 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
109 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
112 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
113 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
114 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
115 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
122 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
123 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
124 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
125 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
126 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
129 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
135 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.6	0.5	0.3
137 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
138 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
140 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
141 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
142 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
146 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
148 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
149 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
150 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
151 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
152 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2006 - 2007 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1
155 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Total NUG: Hydro	328.2	324.6	231.1	155.2	136.4	131.5	120.4	121.9	154.6	301.3	300.2	424.0	443.9	415.3	246.8
<i>-NUG: Small Thermal & Misc.-</i>															
158 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
159 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160 Montana One (NWE)	9.1	9.3	8.6	8.7	6.5	7.3	7.6	7.3	6.3	6.1	6.0	10.1	10.9	8.3	8.1
161 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
162 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
163 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
165 Total NUG: Small Thermal & Misc.	44.5	44.7	43.9	44.0	41.9	42.6	42.9	42.6	41.6	41.5	41.3	45.4	46.2	43.6	43.4
<i>-NUG: Combustion Turbines-</i>															
166 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
167 Rathdrum-Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
168 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
169 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
170 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.5	8.7	8.4	7.8	9.9
173 Covanta Marion Solid Waste (PGE)	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
174 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
175 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
176 Foote Creek 1 (BPA)	3.2	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
177 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
178 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
179 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
180 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
181 Fourmile Hill Geothermal (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
184 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185 Klondike Phase 1 (BPA)	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
186 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
187 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
190 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
191 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
192 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
193 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
195 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

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2006 - 2007 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
196 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
197 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
198 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
199 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
200 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
202 Stataline Wind Project (AVWP)	8.4	8.4	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.5	9.6	9.6	9.2	8.5
203 Stataline Wind Project (BPA)	21.6	21.5	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.6	24.4	24.6	24.7	23.6	21.8
204 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.7	6.8	6.8	6.5	6.0
205 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206 Stataline Wind Project (SCL)	36.0	35.8	34.3	34.1	35.1	30.5	25.7	20.5	58.1	41.1	40.7	41.0	41.2	39.3	36.4
207 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
208 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210 Wild Horse Wind Power Project (PSE)	0.0	0.0	0.0	0.0	0.0	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	39.0
211 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212 Total NUG: Renewables	171.5	174.0	205.9	216.5	235.6	269.1	249.4	227.8	397.0	264.4	263.7	312.9	320.4	287.7	263.3
-NUG: Cogeneration-															
213 Billings Generation (NWE)	16.8	17.1	15.8	10.3	12.0	13.4	14.0	13.3	11.5	7.1	7.0	18.6	20.0	15.3	14.0
214 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
215 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
216 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
217 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
218 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
220 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
221 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
222 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
223 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
224 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
225 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
226 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
227 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
228 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
229 Pottlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
230 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
231 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
232 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
233 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
234 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
235 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
237 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
238 Total NUG: Cogeneration	468.0	468.4	492.2	471.0	474.7	474.5	454.0	464.9	466.2	461.2	461.1	425.3	475.1	479.0	467.2

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2006 - 2007 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)		Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>																
239	251 Federal Entities	71.1	69.5	53.7	61.8	79.6	80.3	76.5	70.5	96.8	100.4	100.2	94.8	80.7	67.8	77.8
240	252 Generating Public Entities	258.3	256.4	202.1	142.8	116.1	112.3	108.9	98.9	143.8	212.4	212.0	299.0	320.1	319.1	194.4
241	253 Non Generating Public Entities	2.8	2.8	2.8	3.5	5.3	5.7	6.1	5.2	4.1	3.8	3.8	3.5	3.3	2.7	4.1
242	254 Investor-Owned Entities	1013.0	1015.7	1047.5	1014.6	1026.6	1060.5	1017.2	1023.6	1142.1	1000.9	999.5	1082.6	1211.6	1164.3	1067.1
243	255 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
244	256 Total Non-Utility Generation	1385.1	1384.6	1349.1	1266.4	1272.1	1303.5	1253.3	1242.0	1433.8	1358.0	1355.8	1525.0	1660.6	1598.2	1387.1

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.9
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.8	1.5	1.2	1.1	1.2	1.2	1.8	1.8	3.1	2.6	1.9	1.7
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
32 Derr Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Elwah Hydro (BPA)	8.2	7.7	2.3	3.6	9.5	11.1	11.8	8.8	8.8	16.8	16.8	9.0	8.5	5.4	8.6
42 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
45 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
46 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
47 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
48 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
49 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
50 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2
52 Glines Hydro (BPA)	16.0	15.0	4.1	6.7	14.3	16.1	14.9	13.5	13.5	25.2	25.1	29.7	15.6	10.5	15.0
53 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
54 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
55 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
56 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
57 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
59 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
60 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
61 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
64 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
66 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
67 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
69 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
71 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
73 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
75 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
78 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
79 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
81 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
82 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
83 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
84 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
86 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
87 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
88 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
89 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
90 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
91 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
92 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
95 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
96 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
97 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
103 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
105 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
109 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
112 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
113 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
114 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
115 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
122 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
123 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
124 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
125 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
126 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
129 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
135 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
137 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
138 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
140 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
141 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
142 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
146 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
148 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
149 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
150 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
151 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
152 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1
155 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Total NUG: Hydro	328.2	324.6	231.7	155.9	136.4	131.5	120.4	122.3	154.9	301.3	300.2	424.3	442.3	413.7	246.7
<i>-NUG: Small Thermal & Misc.-</i>															
158 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
159 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160 Montana One (NWE)	9.2	9.4	8.7	8.8	6.6	7.4	7.7	7.3	6.3	6.2	6.1	10.2	8.6	8.4	8.0
161 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
162 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
163 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
165 Total NUG: Small Thermal & Misc.	44.5	44.7	44.0	44.1	42.0	42.7	43.0	42.7	41.7	41.5	41.4	45.5	43.9	43.7	43.3
<i>-NUG: Combustion Turbines-</i>															
166 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
167 Rathdrum-Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
168 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
169 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
170 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
173 Covanta Marion Solid Waste (PGE)	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
174 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
175 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
176 Foote Creek 1 (BPA)	3.2	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
177 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
178 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
179 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
180 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
181 Fourmile Hill Geothermal (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
184 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185 Klondike Phase 1 (BPA)	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
186 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
187 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
190 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
191 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
192 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
193 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
195 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2007 - 2008 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
196 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
197 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
198 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
199 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
200 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
202 Stataline Wind Project (AVWP)	8.4	8.4	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
203 Stataline Wind Project (BPA)	21.6	21.5	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
204 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
205 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206 Stataline Wind Project (SCL)	36.0	35.8	34.3	34.1	35.1	30.5	25.7	20.4	58.1	40.9	40.9	41.0	41.2	39.3	36.4
207 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
208 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210 White Creek (COPD)	0.0	0.0	0.0	0.0	0.0	0.0	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	6.4
211 White Creek (KLCK)	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	3.8
212 White Creek (LVLP)	0.0	0.0	0.0	0.0	0.0	0.0	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	3.8
213 White Creek (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.6
214 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
215 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216 Total NUG: Renewables	226.8	229.3	258.2	269.3	290.0	269.1	273.5	247.4	436.9	277.6	277.7	341.4	349.8	306.2	295.6
<i>-NUG: Cogeneration-</i>															
217 Billings Generation (NWE)	16.9	17.3	16.0	10.4	12.2	13.6	14.1	13.4	11.6	7.2	7.0	18.7	15.8	15.3	13.8
218 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
219 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
220 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
221 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
222 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
224 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
225 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
226 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
227 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
228 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
229 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
230 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
231 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
233 Pottlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
234 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
235 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
236 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
237 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
238 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
239 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
241 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
242 Total NUG: Cogeneration	468.2	468.5	492.3	471.1	474.9	474.7	454.1	465.0	466.3	461.3	461.1	425.4	470.9	479.1	466.9

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2007 - 2008 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
243 Federal Entities	71.1	69.5	53.7	61.8	79.6	80.3	76.5	69.7	96.8	100.4	100.2	94.8	80.7	67.8	77.7
244 Generating Public Entities	258.3	256.4	202.1	142.8	116.1	112.3	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	200.8
245 Non Generating Public Entities	2.8	2.8	2.8	3.5	5.3	5.7	19.6	16.2	26.4	11.4	11.4	19.5	19.8	13.1	12.2
246 Investor-Owned Entities	1068.5	1071.2	1100.7	1068.3	1081.2	1060.7	1017.3	1024.9	1142.6	1001.0	999.7	1083.1	1203.7	1162.9	1084.6
247 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
248 Total Non-Utility Generation	1440.7	1440.1	1402.3	1320.1	1326.7	1303.7	1277.5	1262.1	1474.2	1371.3	1369.9	1554.0	1682.1	1615.3	1419.1

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	3.1
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	1.5	1.2	1.2	1.2	1.2	1.9	1.8	3.1	2.6	1.9	1.7
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Derr Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Elwah Hydro (BPA)	8.2	7.7	2.3	3.6	9.5	11.1	11.8	9.1	8.8	16.8	16.8	9.0	8.5	5.4	8.6
42 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
45 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
46 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
47 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
48 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
49 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
50 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5

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Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2
52 Glines Hydro (BPA)	16.0	15.0	4.1	6.7	14.3	16.1	14.9	13.9	13.5	25.2	25.1	29.7	15.6	10.5	15.0
53 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
54 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
55 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
56 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
57 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
59 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
60 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
61 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
64 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
66 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
67 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
69 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
71 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
73 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
75 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
78 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
79 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
81 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
82 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
83 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
84 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
86 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
87 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
88 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
89 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
90 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
91 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
92 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
95 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
96 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
97 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
103 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
105 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
109 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
112 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
113 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
114 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
115 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
122 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
123 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
124 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
125 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
126 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
129 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
135 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
137 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
138 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
140 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
141 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
142 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
146 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
148 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
149 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
150 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
151 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
152 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1
155 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
156 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Total NUG: Hydro	327.3	324.9	231.4	155.9	136.5	132.1	121.1	123.1	154.9	301.4	301.5	424.6	442.3	413.7	246.9
<i>-NUG: Small Thermal & Misc.-</i>															
158 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
159 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160 Montana One (NWE)	9.3	9.5	8.7	8.9	6.7	7.5	7.7	7.4	6.4	6.2	6.1	10.2	8.7	8.4	8.0
161 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
162 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
163 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
165 Total NUG: Small Thermal & Misc.	44.6	44.8	44.1	44.2	42.0	42.8	43.0	42.7	41.7	41.6	41.4	45.5	44.0	43.7	43.3
<i>-NUG: Combustion Turbines-</i>															
166 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
167 Rathdrum- Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
168 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
169 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
170 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
173 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
174 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
175 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
176 Foote Creek 1 (BPA)	3.2	3.1	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
177 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
178 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
179 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
180 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
181 Fourmile Hill Geothermal (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
184 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185 Klondike Phase 1 (BPA)	9.0	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
186 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
187 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
190 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
191 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
192 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
193 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
195 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2008 - 2009 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
196 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
197 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
198 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
199 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
200 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
202 Stateline Wind Project (AVWP)	8.3	8.5	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
203 Stateline Wind Project (BPA)	21.3	21.7	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
204 Stateline Wind Project (EWEB)	5.9	6.0	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
205 Stateline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206 Stateline Wind Project (SCL)	35.5	36.2	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
207 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
208 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
211 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
212 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
213 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
214 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
215 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216 Total NUG: Renewables	236.9	241.6	281.2	293.2	316.9	291.4	273.9	247.8	437.3	278.0	278.1	341.8	350.2	306.6	304.8
<i>-NUG: Cogeneration-</i>															
217 Billings Generation (NWE)	17.0	17.4	16.0	10.5	12.3	13.7	14.2	13.5	11.7	7.2	7.1	18.8	15.9	15.4	13.9
218 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
219 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
220 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
221 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
222 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
224 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
225 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
226 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
227 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
228 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
229 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
230 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
231 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
233 Potlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
234 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
235 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
236 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
237 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
238 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
239 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
241 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
242 Total NUG: Cogeneration	468.3	468.6	492.4	471.1	475.0	474.8	454.2	465.1	466.4	461.3	461.2	425.5	471.0	479.1	467.0

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2008 - 2009 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
243 Federal Entities	70.8	69.7	53.7	61.8	79.6	80.3	76.5	70.5	96.8	100.4	100.2	94.8	80.7	67.8	77.8
244 Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
245 Non Generating Public Entities	8.7	9.1	15.4	16.7	20.1	17.9	19.6	16.2	26.4	11.4	11.4	19.5	19.8	13.1	17.1
246 Investor-Owned Entities	1068.1	1072.2	1100.9	1068.8	1081.8	1061.9	1018.5	1025.5	1143.1	1001.5	1001.5	1084.0	1204.2	1163.4	1085.3
247 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
248 Total Non-Utility Generation	1450.0	1452.9	1425.1	1344.1	1353.8	1326.8	1278.7	1263.5	1474.7	1371.8	1371.7	1554.8	1682.7	1615.9	1428.6

Table A-24: Regional Non Utility Generating Resources By Project
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 2009 - 2010 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.0
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	1.5	1.2	1.2	1.3	1.3	1.9	1.8	3.1	3.3	2.0	1.8
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Derr Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Elwah Hydro (BPA)	8.2	7.7	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
42 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
43 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
45 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
46 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
47 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
48 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
49 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
50 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2
52 Glines Hydro (BPA)	16.0	15.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
53 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
54 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
55 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
56 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
57 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
59 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
60 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
61 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
64 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
66 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
67 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
69 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
71 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
73 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
75 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
78 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
79 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
81 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
82 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
83 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
84 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
86 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
87 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
88 Mill Creek (OR) (OTEC)	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
89 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
90 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
91 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
92 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
94 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
95 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
96 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
97 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
103 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
105 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
109 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
112 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
113 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
114 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
115 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
117 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
118 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
122 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
123 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
124 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
125 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
126 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
128 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
129 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
134 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
135 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
136 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.4	0.3	0.3	0.6	0.6	0.5	0.3
137 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
138 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
140 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
141 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
142 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
143 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
144 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
145 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
146 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
147 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
148 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
149 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
150 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
151 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
152 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2009 - 2010 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
154 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1
155 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
156 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
157 Total NUG: Hydro	327.6	324.3	229.9	144.7	113.0	104.6	94.1	99.8	133.0	259.7	259.3	385.7	419.0	398.8	225.7
<i>-NUG: Small Thermal & Misc.-</i>															
158 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
159 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160 Montana One (NWE)	9.3	9.5	8.8	8.9	6.7	7.5	7.8	7.4	6.4	6.3	6.2	10.3	11.1	8.5	8.3
161 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
162 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
163 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
164 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
165 Total NUG: Small Thermal & Misc.	44.6	44.9	44.1	44.2	42.0	42.8	43.1	42.8	41.8	41.6	41.5	45.6	46.4	43.8	43.6
<i>-NUG: Combustion Turbines-</i>															
166 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
167 Rathdrum-Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
168 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
169 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
170 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
173 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
174 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
175 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
176 Foote Creek 1 (BPA)	3.2	3.1	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
177 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
178 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
179 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
180 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
181 Fourmile Hill Geothermal (BPA)	0.0	0.0	0.0	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	41.6
182 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
184 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
185 Klondike Phase 1 (BPA)	9.0	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
186 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
187 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
188 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
189 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
190 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
191 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
192 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
193 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
194 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
195 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2009 - 2010 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
196 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
197 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
198 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
199 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
200 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
201 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
202 Stateline Wind Project (AVWP)	8.3	8.5	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
203 Stateline Wind Project (BPA)	21.3	21.7	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
204 Stateline Wind Project (EWEB)	5.9	6.0	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
205 Stateline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
206 Stateline Wind Project (SCL)	35.5	36.2	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
207 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
208 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
209 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
211 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
212 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
213 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
214 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
215 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216 Total NUG: Renewables	236.9	241.6	281.2	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.2	356.5	346.4
<i>-NUG: Cogeneration-</i>															
217 Billings Generation (NWE)	17.1	17.5	16.1	10.5	12.3	13.8	14.3	13.7	11.8	7.3	7.2	18.9	20.3	15.5	14.3
218 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
219 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
220 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
221 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
222 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
224 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
225 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
226 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
227 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
228 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
229 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
230 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
231 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
233 Potlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
234 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
235 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
236 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
237 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
238 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
239 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
241 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
242 Total NUG: Cogeneration	468.4	468.7	492.5	471.2	475.1	474.9	454.4	465.2	466.5	461.4	461.2	425.6	475.5	479.3	467.5

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2009 - 2010 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
243 Federal Entities	70.8	69.7	53.7	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	98.2
244 Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
245 Non Generating Public Entities	8.7	9.1	15.4	16.7	20.1	17.9	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.9
246 Investor-Owned Entities	1068.6	1071.7	1099.5	1067.9	1082.2	1061.8	1018.7	1025.7	1143.9	1002.3	1001.6	1084.2	1212.1	1164.9	1086.1
247 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
248 Total Non-Utility Generation	1450.5	1452.5	1423.7	1382.8	1380.4	1349.3	1301.8	1290.3	1502.9	1380.1	1379.5	1566.0	1716.1	1651.0	1449.6

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	2.9
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2.0	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.6	2.0	1.9
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pantheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2010 - 2011 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	303.4	301.3	223.2	144.7	112.7	103.3	93.7	100.7	133.4	260.7	260.3	386.3	418.7	398.8	223.2
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.4	9.6	8.9	9.0	9.2	10.0	10.2	10.0	8.9	8.9	8.7	10.3	8.7	8.5	9.3
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.7	44.9	44.2	44.3	44.5	45.3	45.5	45.3	44.2	44.2	44.0	45.6	44.1	43.8	44.6
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Eurys Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.1	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.1	9.0	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

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Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.5	8.3	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.8	21.3	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	36.4	35.4	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	288.4	290.0	331.1	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.1	356.5	354.7
-NUG: Cogeneration-															
215 Billings Generation (NWE)	17.3	17.6	16.3	10.6	16.8	18.3	18.7	18.3	16.3	10.3	10.1	18.9	16.0	15.6	16.1
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Cogeneration	468.5	468.9	492.6	471.3	479.5	479.4	458.7	469.8	471.0	464.4	464.2	425.6	471.2	479.3	469.3

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2010 - 2011 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.9	96.4	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
242 Generating Public Entities	263.4	260.9	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1069.3	1071.8	1099.7	1068.4	1089.1	1067.7	1025.1	1033.7	1151.4	1009.0	1008.2	1084.8	1205.1	1164.9	1089.1
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1478.0	1478.1	1467.2	1383.0	1387.0	1355.0	1308.2	1298.3	1510.3	1386.8	1386.0	1566.6	1709.1	1651.0	1458.4

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	2.8
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2.0	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.7	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

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2011 - 2012 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	303.4	301.3	224.5	145.0	112.7	103.3	94.0	100.1	131.9	259.8	260.7	386.0	418.7	398.8	223.1
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.4	9.6	8.9	9.0	9.2	10.0	10.3	10.0	9.0	9.0	8.8	10.4	8.8	8.6	9.4
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.7	44.9	44.2	44.3	44.5	45.3	45.6	45.4	44.3	44.3	44.1	45.7	44.1	43.9	44.7
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.5	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Eurys Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.2	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2011 - 2012 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.4	8.4	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.5	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.6	21.5	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.6	24.4	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.7	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	36.0	35.8	34.3	34.1	35.1	30.5	25.7	20.4	58.1	41.1	40.7	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	287.6	290.8	331.1	343.1	366.8	341.3	323.8	297.7	487.2	328.3	327.6	391.7	400.1	356.5	354.7
<i>-NUG: Cogeneration-</i>															
215 Billings Generation (NWE)	17.3	17.6	16.3	10.6	16.8	18.3	18.9	18.4	16.5	10.4	10.2	19.1	16.2	15.7	16.2
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	59.0	52.7
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Co-Generation	468.5	468.9	492.6	471.3	479.5	479.4	458.9	470.0	471.1	464.5	464.3	425.8	471.3	479.4	469.4

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2011 - 2012 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.3	108.1	106.1	106.6	101.8	104.0
242 Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.4	217.9	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1069.2	1071.9	1101.0	1068.8	1089.2	1067.8	1025.7	1033.4	1150.0	1008.3	1008.6	1084.8	1205.3	1165.1	1089.2
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1477.2	1478.9	1468.4	1383.4	1387.0	1355.0	1308.8	1298.0	1509.0	1386.5	1386.1	1566.7	1709.4	1651.3	1458.4

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Years
 [37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	1.9	2.5	3.4	2.8
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.5	1.9	2.0	1.6	1.6	1.7	1.8	2.7	2.6	3.2	3.4	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2012 - 2013 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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2012 - 2013 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.6	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

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Continued

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Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	304.0	301.9	224.5	145.0	112.8	104.5	94.3	100.1	132.0	260.2	260.1	384.5	418.8	399.2	223.2
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.5	9.7	8.9	9.1	9.2	10.1	10.4	10.1	9.1	9.1	8.9	10.5	11.3	8.6	9.7
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.8	45.0	44.3	44.4	44.6	45.4	45.7	45.5	44.4	44.4	44.2	45.8	46.6	44.0	45.0
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Eurys Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.2	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2012 - 2013 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.4	8.4	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.6	21.5	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	36.0	35.8	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	287.6	290.8	331.1	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.2	356.5	354.7
<i>-NUG: Cogeneration-</i>															
215 Billings Generation (NWE)	17.4	17.8	16.4	10.7	17.0	18.5	19.1	18.6	16.6	10.5	10.3	19.3	20.7	15.9	16.7
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	48.0	48.0	57.0	55.0	55.0	58.0	52.0	48.0	53.0	50.0	50.0	45.0	52.0	0.0	47.8
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Co-Generation	468.7	469.0	492.8	471.4	479.7	479.6	459.1	470.2	471.3	464.6	464.4	426.0	475.9	420.6	465.0

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2012 - 2013 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
242 Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1070.1	1072.8	1101.2	1068.9	1089.4	1069.3	1026.3	1033.7	1150.3	1008.8	1008.3	1083.6	1212.5	1106.7	1085.2
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1478.1	1479.8	1468.7	1383.5	1387.3	1356.5	1309.4	1298.3	1509.2	1386.6	1386.2	1565.4	1716.5	1592.9	1454.4

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	1.9	2.8	2.8	3.0
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.6	1.9	2.1	1.6	1.6	1.7	1.8	2.8	2.7	3.2	2.7	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pantheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2013 - 2014 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	303.7	302.0	224.5	145.7	113.4	104.5	94.4	100.2	133.2	260.6	260.2	384.6	418.2	398.5	223.4
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.6	9.8	9.0	9.1	9.3	10.2	10.6	10.3	9.2	9.2	9.0	10.7	9.1	8.6	9.6
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.9	45.1	44.4	44.5	44.7	45.5	45.9	45.7	44.6	44.6	44.4	46.0	44.4	44.0	44.9
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.2	3.2	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

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[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.4	8.4	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.6	21.5	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	6.0	5.9	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	36.0	35.8	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	287.6	290.8	331.1	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.2	356.5	354.7
<i>-NUG: Cogeneration-</i>															
215 Billings Generation (NWE)	17.6	18.0	16.6	10.8	17.1	18.6	19.4	18.9	17.0	10.7	10.5	19.6	16.6	15.9	16.6
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Co-Generation	420.8	421.2	435.9	416.5	424.9	421.7	407.4	422.5	418.6	414.8	414.6	381.4	419.8	420.6	417.1

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2013 - 2014 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.7	96.6	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
242 Generating Public Entities	263.0	261.3	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1022.1	1025.1	1044.5	1014.8	1035.3	1011.6	974.9	986.2	1099.1	959.6	958.7	1039.3	1153.6	1106.1	1037.3
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1430.1	1432.1	1411.9	1329.4	1333.2	1298.8	1258.0	1250.8	1458.0	1337.4	1336.6	1521.1	1657.6	1592.3	1406.6

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.1	3.1	2.8	3.1
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.6	1.9	2.1	1.6	1.6	1.7	1.8	2.8	2.7	3.2	2.7	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2014 - 2015 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

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Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	302.2	301.1	224.8	145.4	113.4	104.5	95.0	100.8	133.2	260.6	260.2	385.9	418.5	398.5	223.5
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.6	9.8	9.0	9.1	9.3	10.2	10.6	10.3	9.2	9.2	9.0	10.7	9.1	8.6	9.6
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.9	45.1	44.4	44.5	44.7	45.5	45.9	45.7	44.6	44.6	44.4	46.0	44.4	44.0	44.9
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Eurys Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.2	3.1	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.0	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

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Continued

3/31/2006

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194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.3	8.5	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.3	21.7	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	5.9	6.0	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	35.5	36.2	34.3	34.1	35.1	30.5	25.7	20.5	58.1	40.9	40.9	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	286.8	291.5	331.1	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.2	356.5	354.7
-NUG: Cogeneration-															
215 Billings Generation (NWE)	17.6	18.0	16.6	10.8	17.1	18.6	19.4	18.9	17.0	10.7	10.5	19.6	16.6	15.9	16.6
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Co-Generation	420.8	421.2	435.9	416.5	424.9	421.7	407.4	422.5	418.6	414.8	414.6	381.4	419.8	420.6	417.1

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2014 - 2015 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.5	96.9	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
242 Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1020.4	1024.2	1044.8	1014.5	1035.3	1011.6	975.5	986.9	1099.1	959.6	958.7	1040.5	1153.9	1106.1	1037.5
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1427.8	1431.9	1412.2	1329.1	1333.2	1298.8	1258.6	1251.5	1458.0	1337.4	1336.6	1522.3	1657.9	1592.3	1406.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany (PPL)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam (IPC)	2.4	2.4	1.9	0.8	0.3	1.0	2.2	2.6	3.3	3.2	3.2	3.1	3.2	3.3	2.3
3 Barney Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 Beaverton (PGE)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 Bell Mountain (UPL)	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek (IPC)	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 Birch Creek (UPL)	1.3	1.3	1.1	1.0	1.1	1.1	0.3	1.2	1.7	1.6	1.6	1.6	1.3	1.2	1.2
9 Black Canyon #3 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek (PSE)	1.9	2.8	2.8	1.9	2.5	3.4	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	2.9
11 Blind Canyon Hydro (IPC)	0.7	0.7	1.1	0.9	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek (MVP)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon (IPC)	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek (IPC)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam (NWE)	1.1	1.1	1.6	1.9	2.1	1.6	1.6	1.7	1.8	2.8	2.7	3.2	2.7	2.0	2.0
16 Buffalo Hydro (FREC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18 Bypass (IPC)	8.3	8.3	6.5	2.8	1.0	0.0	0.0	0.0	0.1	2.9	2.9	7.0	8.2	8.7	3.8
19 Canyon Springs (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
21 Cascade Creek (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22 Cedar Draw (IPC)	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District (PPL)	3.1	3.1	3.7	3.5	0.0	0.7	0.0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout (IPC)	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Corbett (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26 Cornelius (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 Crystal Springs (IPC)	1.3	1.3	1.6	1.5	1.6	0.5	0.5	0.6	0.8	0.9	0.9	0.8	1.4	1.3	1.1
28 Curry Cattle Co. (IPC)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Dairy Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31 Deep Creek (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32 Derr Creek (AVWP)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop (IPC)	4.7	4.7	3.6	3.1	1.4	0.0	0.0	0.0	0.0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35 Donald Jenni (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Sm. Hydro. (BPA)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38 Elk Creek (IPC)	1.2	1.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0	1.2	1.2	0.6
39 Eltopia Br Canal 4.6 (SCL)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
40 Eltopia Br Canal 4.6 (TPU)	0.9	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.0	1.0	1.1	0.5
41 Estacada (PGE)	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek (CCPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43 Falls Creek (PPL)	0.0	0.0	0.0	0.0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0.0	2.0
44 Falls River (IPC)	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig. (PPL)	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch (IPC)	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co (IPC)	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam (PPL)	0.6	0.6	0.4	0.2	0.2	0.3	0.0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2 (IPC)	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power (UPL)	0.0	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.0	0.2

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
51 Hailey Cspg (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
52 Hazelton A (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
53 Hazelton B (IPC)	6.6	6.6	5.2	2.4	0.7	0.0	0.0	0.0	0.1	2.2	2.2	5.6	6.4	7.0	3.0
54 Horseshoe Bend (IPC)	8.8	8.8	7.5	3.9	2.8	3.5	3.9	4.6	5.9	8.8	8.8	9.9	9.8	9.2	6.6
55 Hutchinson Creek (PSE)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
56 Ingram Warm Springs (UPL)	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
57 Jim Ford Creek (AVWP)	0.0	0.0	0.0	0.0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
58 Jim Knight (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
59 John Day Creek (AVWP)	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Llewellyn (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61 Kasel & Witherspoon (IPC)	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
62 Kevin Duncan (SHPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63 Koma Kulshan (PSE)	4.6	4.6	4.3	6.4	8.0	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10.4	8.2	6.4
64 Koyle (IPC)	1.1	1.1	1.1	1.0	1.0	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
65 L. Fery (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66 Lacombe Irrig. (PPL)	0.0	0.0	0.0	0.0	0.2	1.0	0.2	0.9	0.9	1.0	1.0	0.9	0.9	0.4	0.5
67 Lake Oswego (PGE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
68 Lateral #10 (IPC)	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
69 Lee Tavenner (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
70 Lemoyne (IPC)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
71 Lilliwaup Falls Generating Co. (MCPD1)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72 Little Wood River Res. (IPC)	1.9	1.9	0.2	0.2	0.2	0.0	0.0	0.0	1.6	1.7	1.7	1.6	2.0	1.9	0.9
73 Littlewood/Arkoosh (IPC)	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2 (IPC)	2.7	2.7	2.5	1.8	1.4	0.0	0.0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal (IPC)	7.8	7.8	7.5	7.3	7.5	0.6	0.6	0.7	5.3	5.5	5.5	5.3	8.1	7.8	5.3
76 Lucky Peak (SCL)	28.6	26.8	19.9	4.5	0.0	0.7	0.0	1.5	1.6	11.4	11.4	67.7	75.2	73.0	23.6
77 Magic Reservoir (IPC)	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks (SCL)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
79 Main Canal Headworks (TPU)	10.2	10.2	6.1	2.6	0.0	0.0	0.0	0.0	1.4	6.8	6.8	9.1	10.6	11.8	4.9
80 Malad River (IPC)	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0.0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
81 Marcos Ranches (IPC)	1.1	1.1	1.2	1.1	1.2	0.0	0.0	0.0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
82 Marsh Valley (UPL)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
83 Meyers Falls (AVWP)	1.0	1.0	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1.0	1.2	1.1	0.9
84 Middlefork Irrig. (PPL)	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
85 Mile 28 (IPC)	1.3	1.3	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.6	0.6	1.2	1.3	1.4	0.7
86 Mill Creek (OR) (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87 Minikahda (PGE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
88 Mink Creek (UPL)	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
89 Mitchell Butte (IPC)	1.0	1.0	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
90 Mountain Energy (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91 Mt. Tabor (PGE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
92 Mud Creek/S&S (IPC)	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
93 Mud Creek/White (IPC)	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1
94 Nichols Gap (PPL)	0.0	0.0	0.0	0.0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0.0	0.0	0.0	0.2
95 Nicholson Sunnybar (UPL)	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague (PPL)	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power (UPL)	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99 Opal Springs (PPL)	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Owyhee Dam (IPC)	2.8	2.8	2.0	0.6	0.0	0.0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
101 Pancheri (UPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2015 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
102 PEC Headworks (GCPD)	4.5	4.5	3.1	2.2	0.0	0.0	0.0	0.0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
103 Phillips Ranch (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104 Phillipsburg (NWE)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105 Pickering Micro Hydro (CKPD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106 Pigeon Cove (IPC)	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
107 Pine Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
108 Portland (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109 Portland Hydro Project (PGE)	2.3	2.3	2.9	6.7	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.4	3.2	12.0
110 Portneuf River (PPL)	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.4	0.1
111 Potholes E Canal 66.0 (SCL)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
112 Potholes E Canal 66.0 (TPU)	0.9	0.9	0.9	0.8	0.0	0.0	0.0	0.0	0.3	0.9	0.9	0.9	0.9	0.9	0.5
113 Preston City (UPL)	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs #3 (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115 Pristine Springs (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
116 Quincy Chute (GCPD)	7.7	7.7	4.0	2.3	0.0	0.0	0.0	0.0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View (IPC)	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1 (IPC)	1.1	1.1	1.6	1.7	1.2	1.3	1.1	1.0	1.1	1.4	1.4	1.5	1.3	1.1	1.3
120 Rock Creek #2 (IPC)	1.8	1.8	1.8	1.9	1.9	1.9	0.6	0.4	1.6	1.9	1.9	1.9	1.9	1.6	1.6
121 Rocky Brook (MCPD1)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0.0	0.3
122 Russel D. Smith (SCL)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
123 Russel D. Smith (TPU)	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.1	1.2	1.2	1.9	2.1	1.7	0.9
124 Sagebrush (IPC)	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
125 Salem (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
126 Schaffner (IPC)	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek (AVWP)	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek (IPC)	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129 Shoshone (IPC)	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II (IPC)	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery (IPC)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132 Snedigar Ranch (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
133 Solar Research (PPL)	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
134 South Dry Creek (NWE)	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver (AVWP)	3.4	3.4	3.4	4.7	6.7	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.4	9.7
136 Stauffer Dry Creek (UPL)	0.9	0.9	1.0	0.8	0.4	0.0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek (NWE)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls (SCL)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
139 Summer Falls (TPU)	39.4	39.4	24.2	10.8	0.0	0.0	0.0	0.0	2.4	25.0	25.0	35.7	40.5	43.7	18.5
140 Sunshine Power #2 (IPC)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
141 Thomas Burnside (TNEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142 Tiber Dam Liberty Montana (IPC)	7.0	7.0	5.4	2.5	0.9	0.0	0.0	0.0	0.1	2.6	2.6	6.0	6.7	7.4	3.2
143 Tieton #1 (PPL)	3.0	3.0	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.7	1.7	0.9
144 Trout Co. (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
145 Tunnel #1 (IPC)	4.3	4.3	2.6	0.5	0.0	0.0	0.0	0.0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
146 Twin Falls (PSE)	5.0	5.0	0.0	1.2	9.6	7.9	7.4	4.8	7.8	14.8	14.8	13.2	24.3	18.7	9.6
147 Walla Walla (PPL)	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
148 Water Street / Santiam (PPL)	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
149 Weeks Falls (PSE)	0.8	0.8	0.0	0.2	1.7	1.8	1.2	0.6	1.2	2.6	2.6	2.4	4.4	3.5	1.7
150 White James (PPL)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
151 White Water Ranch (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
152 Wilson Lake Hydro (IPC)	7.1	7.1	5.3	2.0	0.2	0.0	0.0	0.0	0.0	2.3	2.3	6.1	6.8	7.6	3.1

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2015 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
153 Wisconsin Creek (NWE)	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
154 Woods Creek (SHPD)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Total NUG: Hydro	302.2	301.4	224.2	143.8	112.5	104.8	94.7	100.8	133.2	261.2	260.8	385.9	418.5	398.5	223.3
<i>-NUG: Small Thermal & Misc.-</i>															
156 Grays Harbor Paper (GHPD)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157 Methane Energy Agricultural D. (TKPD)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158 Montana One (NWE)	9.6	9.8	9.0	9.1	9.3	10.2	10.6	10.3	9.2	9.2	9.0	10.7	9.1	8.6	9.6
159 Pocatello Waste (IPC)	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
160 Spokane MSW (PSE)	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3
161 West Boise Waste (IPC)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
162 Weyerhaeuser Pulp Mill (GHPD)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
163 Total NUG: Small Thermal & Misc.	44.9	45.1	44.4	44.5	44.7	45.5	45.9	45.7	44.6	44.6	44.4	46.0	44.4	44.0	44.9
<i>-NUG: Combustion Turbines-</i>															
164 Rathdrum- Boekel Rd. #1 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	0.0	49.6	68.7	67.6	66.3	65.8
165 Rathdrum -Boekel Rd. #2 (AVWP)	66.5	66.5	68.0	69.8	71.7	72.9	73.3	72.4	67.2	49.6	0.0	68.7	67.6	66.3	65.8
166 Tenaska Gas Cogen (PSE)	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	240.0	180.0	240.0	240.0	235.0
167 Total NUG: Combustion Turbines	373.0	373.0	376.0	379.7	383.5	385.7	386.5	384.8	374.5	289.6	289.6	317.4	375.1	372.6	366.5
<i>-NUG: Renewables-</i>															
168 Ashland Solar Project (ASHL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169 Ashland Solar Project (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170 Condon Wind Project (BPA)	7.1	7.1	8.3	10.6	12.6	12.1	9.8	8.8	15.0	9.4	9.4	8.7	8.4	7.8	9.9
171 Covanta Marion Solid Waste (PGE)	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
172 Emmett Biomass Project (BOCC)	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
173 Euris Combine Hills (PPL)	6.2	6.6	11.5	12.3	13.8	14.2	14.0	12.5	17.8	7.0	7.0	14.4	14.5	13.5	12.7
174 Foote Creek 1 (BPA)	3.2	3.1	4.1	5.9	6.4	7.9	8.5	8.0	6.7	6.0	6.0	4.5	4.3	2.2	5.6
175 Foote Creek 1 (EWEB)	1.3	1.3	1.7	2.5	2.7	3.4	3.6	3.4	2.8	2.5	2.5	1.9	1.8	0.9	2.4
176 Foote Creek 1 (PPL)	4.0	4.0	5.2	7.6	8.2	10.1	10.8	10.2	8.5	7.7	7.7	5.7	5.5	2.8	7.2
177 Foote Creek 2 (BPA)	0.3	0.3	0.3	0.4	0.7	0.8	1.3	1.2	0.7	1.0	1.0	0.6	0.5	0.4	0.7
178 Foote Creek 4 (BPA)	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.8	6.8	4.6	5.1	3.8	5.9
179 Fourmile Hill Geothermal (BPA)	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
180 Healow #2 (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181 Hopkins Ridge (PSE)	15.1	16.1	30.7	33.0	34.9	27.9	24.8	18.8	54.5	19.2	19.2	38.2	43.4	33.2	31.2
182 Josef Staufer (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183 Klondike Phase 1 (BPA)	9.0	9.1	7.8	6.8	4.5	3.6	3.3	5.0	8.4	7.8	7.8	10.3	10.8	11.3	7.4
184 Klondike Phase 2 (PGE)	13.6	14.6	24.5	18.7	14.1	10.6	9.1	15.5	26.2	12.2	12.2	30.5	29.3	33.8	19.9
185 Lewandowski Farms (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
186 Livingston (NWE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
187 Nine Canyon Wind Project (BCPD)	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	0.9	0.7	0.7	0.7	0.7	0.5	0.9
188 Nine Canyon Wind Project (CHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
189 Nine Canyon Wind Project (COPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
190 Nine Canyon Wind Project (DOPD)	1.8	1.8	1.8	2.6	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3.0
191 Nine Canyon Wind Project (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192 Nine Canyon Wind Project (FCPD)	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
193 Nine Canyon Wind Project (GCPD)	2.2	2.2	2.1	3.2	5.7	5.7	6.3	5.2	3.4	3.0	3.0	3.0	2.8	2.1	3.7

Table A-24: Regional Non Utility Generating Resources By Project
PNW Loads and Resource Study
2015 - 2016 Operating Years
[37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
194 Nine Canyon Wind Project (GHPD)	1.5	1.5	1.4	2.1	3.8	3.8	4.2	3.4	2.3	2.0	2.0	2.0	1.9	1.4	2.5
195 Nine Canyon Wind Project (LCPD)	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.3
196 Nine Canyon Wind Project (MCPD3)	0.4	0.4	0.4	0.5	0.9	1.0	1.0	0.9	0.6	0.5	0.5	0.5	0.5	0.3	0.6
197 Nine Canyon Wind Project (OKPD)	3.0	3.0	2.8	4.3	7.5	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.7	2.7	4.9
198 Pine Products Corp (PPL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
199 Puyallup Energy Recovery (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
200 Stataline Wind Project (AVWP)	8.3	8.5	8.0	8.0	8.2	7.1	6.0	4.8	13.6	9.6	9.6	9.6	9.6	9.2	8.5
201 Stataline Wind Project (BPA)	21.3	21.7	20.6	20.5	21.1	18.3	15.4	12.3	34.8	24.5	24.5	24.6	24.7	23.6	21.8
202 Stataline Wind Project (EWEB)	5.9	6.0	5.7	5.7	5.8	5.1	4.3	3.4	9.6	6.8	6.8	6.8	6.8	6.5	6.0
203 Stataline Wind Project (PPME)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
204 Stataline Wind Project (SCL)	35.5	36.2	34.3	34.1	35.1	30.5	25.7	20.4	58.1	40.9	40.9	41.0	41.2	39.3	36.4
205 Vansycle Wind (FPLEV)	3.8	4.1	7.0	7.5	8.5	8.7	8.5	7.7	10.9	4.3	4.3	8.9	8.8	8.3	7.8
206 White Bluffs Solar (BPA)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207 White Bluffs Solar (ENW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
208 White Creek (COPD)	4.6	4.9	9.9	10.3	11.7	9.6	10.6	8.6	17.6	6.0	6.0	12.5	13.0	8.1	10.2
209 White Creek (KLCK)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
210 White Creek (LVLP)	2.7	2.9	5.9	6.1	6.9	5.7	6.3	5.1	10.4	3.5	3.5	7.4	7.7	4.8	6.0
211 White Creek (TNEC)	0.4	0.4	0.9	0.9	1.1	0.9	1.0	0.8	1.6	0.5	0.5	1.1	1.2	0.7	0.9
212 Wild Horse Wind Power Project (PSE)	55.3	55.3	52.3	52.8	54.4	49.8	40.9	37.7	83.7	61.5	61.5	65.6	69.3	59.0	56.9
213 Windmill (PGE)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214 Total NUG: Renewables	286.8	291.5	331.1	343.1	366.8	341.3	323.8	297.7	487.2	327.9	328.0	391.7	400.2	356.5	354.7
<i>-NUG: Cogeneration-</i>															
215 Billings Generation (NWE)	17.6	18.0	16.6	10.8	17.1	18.6	19.4	18.9	17.0	10.7	10.5	19.6	16.6	15.9	16.6
216 Biomass One (PPL)	21.5	21.5	21.5	21.5	22.3	21.5	7.2	15.5	16.7	20.2	20.2	17.3	22.2	21.5	19.1
217 Boise Cascade Medford (PPL)	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
218 Champion (PPL)	3.3	3.3	3.3	3.3	3.3	3.3	1.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
219 Cogen Co (IPC)	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
220 Cogen Co (OTEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221 DR Johnson - Co-Gen II (PPL)	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	10.7	4.2	7.1	7.2
222 Everett Cogeneration (SHPD)	38.0	38.0	38.0	27.0	27.0	27.0	27.0	27.0	27.0	38.0	38.0	38.0	38.0	38.0	32.5
223 Haleywest L.L.C (AVWP)	4.0	4.0	4.2	4.0	4.2	4.0	4.0	4.5	4.0	4.2	4.2	4.0	4.2	4.0	4.1
224 Magic Valley (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
225 Magic West (IPC)	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10.2	9.4	9.7	9.7	9.4	9.7	9.3	9.5
226 March Point #1 (PSE)	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	55.0	79.0	79.0	77.0
227 March Point #2 (PSE)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	45.0	59.0	59.0	57.8
228 Metro Westpoint (KING)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
229 Metro Westpoint (SCL)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230 PERC Pierce, Wa (PSE)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	1.8
231 Potlatch Contract Renewal (AVWP)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
232 Simplot Pocatello (IPC)	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
233 SP Newsprint cogen (SPN)	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
234 Sumas Energy (PSE)	112.7	112.7	126.1	126.1	126.1	126.1	126.1	126.1	126.1	112.7	112.7	112.7	112.7	112.7	120.5
235 Tamarack (IPC)	3.8	3.8	4.6	4.7	4.2	3.2	3.6	3.8	4.2	4.4	4.4	3.4	4.6	4.8	4.1
236 TASCO Nampa ID (IPC)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
237 TASCO Twin Falls ID (IPC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238 Vaagen Bros. (IPC)	3.0	3.0	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
239 Warm Springs (PPL)	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
240 Total NUG: Co-Generation	420.8	421.2	435.9	416.5	424.9	421.7	407.4	422.5	418.6	414.8	414.6	381.4	419.8	420.6	417.1

Table A-24: Regional Non Utility Generating Resources By Project
 PNW Loads and Resource Study
 2015 - 2016 Operating Years
 [37] 2006 White Book (Final)

Continued

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Non-Utility Generating Resources-</i>															
241 Federal Entities	96.5	96.9	97.2	101.4	105.7	102.9	99.7	97.4	124.4	108.2	108.2	106.1	106.6	101.8	104.0
242 Generating Public Entities	262.5	261.8	212.0	153.2	127.7	121.9	119.5	107.5	161.4	218.2	218.2	311.6	333.0	327.2	204.6
243 Non Generating Public Entities	8.4	8.8	15.1	16.4	19.8	17.6	19.3	15.9	26.1	11.1	11.1	19.2	19.5	12.8	16.8
244 Investor-Owned Entities	1020.4	1024.6	1044.2	1012.9	1034.4	1011.9	975.2	986.9	1099.1	960.2	959.4	1040.5	1153.9	1106.1	1037.3
245 Other Entities	39.9	40.2	43.1	43.6	44.6	44.8	44.6	43.8	47.0	40.4	40.4	45.0	44.9	44.4	43.9
246 Total Non-Utility Generation	1427.8	1432.2	1411.6	1327.5	1332.3	1299.1	1258.3	1251.4	1458.0	1338.0	1337.3	1522.3	1657.9	1592.3	1406.5

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Table A-25
Dedicated Resources
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1780	1599	1710	1825	1994	2395	2025	1546	1733	1803	1715	1786	3014	2227	1975
2 Total Generating Public Entities	1780	1599	1710	1825	1994	2395	2025	1546	1733	1803	1715	1786	3014	2227	1975
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	92	96	82	70	84	85	70	69	76	72	60	75	104	84	80
4 Total Non-Generating Public Entities	92	96	82	70	84	85	70	69	76	72	60	75	104	84	80
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6934	6758	6602	6751	7183	7622	6930	6714	6950	7712	7074	5956	7110	7203	6938
6 Total Investor-owned Entities	6934	6758	6602	6751	7183	7622	6930	6714	6950	7712	7074	5956	7110	7203	6938
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1780	1599	1710	1825	1994	2395	2025	1546	1733	1803	1715	1786	3014	2227	1975
8 Small & Non Generating Entities	92	96	82	70	84	85	70	69	76	72	60	75	104	84	80
9 Investor-Owned Entities	6934	6758	6602	6751	7183	7622	6930	6714	6950	7712	7074	5956	7110	7203	6938
10 Regional Total Dedicated Resources	8806	8452	8393	8647	9261	10102	9024	8329	8758	9586	8849	7817	10229	9514	8993

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1725	1544	1643	1854	2023	2427	2064	1584	1780	1838	1749	1741	3063	2271	1990
2 Total Generating Public Entities	1725	1544	1643	1854	2023	2427	2064	1584	1780	1838	1749	1741	3063	2271	1990
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	76	80	70	75	84	82	83	80	98	79	68	91	121	95	86
4 Total Non-Generating Public Entities	76	80	70	75	84	82	83	80	98	79	68	91	121	95	86
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7016	6840	6893	6925	7249	7620	6946	6689	6859	7713	7364	6283	7564	7209	7059
6 Total Investor-owned Entities	7016	6840	6893	6925	7249	7620	6946	6689	6859	7713	7364	6283	7564	7209	7059
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1725	1544	1643	1854	2023	2427	2064	1584	1780	1838	1749	1741	3063	2271	1990
8 Small & Non Generating Entities	76	80	70	75	84	82	83	80	98	79	68	91	121	95	86
9 Investor-Owned Entities	7016	6840	6893	6925	7249	7620	6946	6689	6859	7713	7364	6283	7564	7209	7059
10 Regional Total Dedicated Resources	8818	8463	8605	8854	9357	10129	9094	8353	8738	9630	9181	8114	10747	9575	9134

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1767	1587	1690	1869	2039	2439	2069	1588	1785	1837	1749	1826	3062	2270	2009
2 Total Generating Public Entities	1767	1587	1690	1869	2039	2439	2069	1588	1785	1837	1749	1826	3062	2270	2009
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	82	86	82	87	98	97	82	79	97	78	67	90	120	94	90
4 Total Non-Generating Public Entities	82	86	82	87	98	97	82	79	97	78	67	90	120	94	90
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7039	7043	7131	6989	7241	7617	6944	6727	6945	7343	7104	6290	7640	7201	7082
6 Total Investor-owned Entities	7039	7043	7131	6989	7241	7617	6944	6727	6945	7343	7104	6290	7640	7201	7082
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1767	1587	1690	1869	2039	2439	2069	1588	1785	1837	1749	1826	3062	2270	2009
8 Small & Non Generating Entities	82	86	82	87	98	97	82	79	97	78	67	90	120	94	90
9 Investor-Owned Entities	7039	7043	7131	6989	7241	7617	6944	6727	6945	7343	7104	6290	7640	7201	7082
10 Regional Total Dedicated Resources	8889	8716	8904	8945	9377	10153	9096	8394	8827	9258	8919	8206	10822	9565	9182

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1767	1587	1691	1869	2023	2426	2055	1576	1757	1650	1563	1768	3053	2262	1980
2 Total Generating Public Entities	1767	1587	1691	1869	2023	2426	2055	1576	1757	1650	1563	1768	3053	2262	1980
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	81	85	81	87	97	96	82	79	94	79	67	86	117	94	89
4 Total Non-Generating Public Entities	81	85	81	87	97	96	82	79	94	79	67	86	117	94	89
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7013	6835	6923	6921	7217	7595	6855	6633	6825	6923	6834	6964	7809	7153	7058
6 Total Investor-owned Entities	7013	6835	6923	6921	7217	7595	6855	6633	6825	6923	6834	6964	7809	7153	7058
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1767	1587	1691	1869	2023	2426	2055	1576	1757	1650	1563	1768	3053	2262	1980
8 Small & Non Generating Entities	81	85	81	87	97	96	82	79	94	79	67	86	117	94	89
9 Investor-Owned Entities	7013	6835	6923	6921	7217	7595	6855	6633	6825	6923	6834	6964	7809	7153	7058
10 Regional Total Dedicated Resources	8861	8507	8694	8876	9338	10116	8992	8289	8677	8652	8464	8819	10979	9509	9128

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1765	1586	1689	1868	2033	2434	2063	1584	1766	1660	1573	1771	3063	2246	1984
2 Total Generating Public Entities	1765	1586	1689	1868	2033	2434	2063	1584	1766	1660	1573	1771	3063	2246	1984
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	82	85	78	84	96	95	82	79	94	79	67	86	117	94	89
4 Total Non-Generating Public Entities	82	85	78	84	96	95	82	79	94	79	67	86	117	94	89
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6956	6797	6847	6812	7125	7494	6769	6554	6752	6951	6508	6449	7203	7070	6890
6 Total Investor-owned Entities	6956	6797	6847	6812	7125	7494	6769	6554	6752	6951	6508	6449	7203	7070	6890
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1765	1586	1689	1868	2033	2434	2063	1584	1766	1660	1573	1771	3063	2246	1984
8 Small & Non Generating Entities	82	85	78	84	96	95	82	79	94	79	67	86	117	94	89
9 Investor-Owned Entities	6956	6797	6847	6812	7125	7494	6769	6554	6752	6951	6508	6449	7203	7070	6890
10 Regional Total Dedicated Resources	8803	8468	8614	8764	9254	10022	8915	8216	8612	8690	8148	8306	10383	9410	8963

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1751	1576	1672	1960	2141	2549	2171	1693	1888	2002	1896	1999	3247	2435	2114
2 Total Generating Public Entities	1751	1576	1672	1960	2141	2549	2171	1693	1888	2002	1896	1999	3247	2435	2114
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	82	86	75	75	87	82	73	70	84	61	49	58	77	64	74
4 Total Non-Generating Public Entities	82	86	75	75	87	82	73	70	84	61	49	58	77	64	74
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6870	6711	6762	6597	6904	7274	6651	6434	6665	7280	7098	5942	7400	6884	6791
6 Total Investor-owned Entities	6870	6711	6762	6597	6904	7274	6651	6434	6665	7280	7098	5942	7400	6884	6791
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1751	1576	1672	1960	2141	2549	2171	1693	1888	2002	1896	1999	3247	2435	2114
8 Small & Non Generating Entities	82	86	75	75	87	82	73	70	84	61	49	58	77	64	74
9 Investor-Owned Entities	6870	6711	6762	6597	6904	7274	6651	6434	6665	7280	7098	5942	7400	6884	6791
10 Regional Total Dedicated Resources	8703	8373	8509	8632	9132	9906	8895	8197	8637	9343	9043	7999	10724	9383	8979

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1905	1730	1816	1968	2150	2557	2180	1702	1896	2010	1903	2002	3254	2442	2145
2 Total Generating Public Entities	1905	1730	1816	1968	2150	2557	2180	1702	1896	2010	1903	2002	3254	2442	2145
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
4 Total Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6736	6578	6634	6598	6906	7278	6655	6437	6542	6881	6501	6403	7425	6827	6754
6 Total Investor-owned Entities	6736	6578	6634	6598	6906	7278	6655	6437	6542	6881	6501	6403	7425	6827	6754
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1905	1730	1816	1968	2150	2557	2180	1702	1896	2010	1903	2002	3254	2442	2145
8 Small & Non Generating Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
9 Investor-Owned Entities	6736	6578	6634	6598	6906	7278	6655	6437	6542	6881	6501	6403	7425	6827	6754
10 Regional Total Dedicated Resources	8707	8367	8516	8642	9142	9917	8908	8209	8523	8952	8453	8462	10756	9333	8971

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1918	1743	1829	1982	2163	2571	2193	1716	1910	2023	1917	1918	3268	2455	2150
2 Total Generating Public Entities	1918	1743	1829	1982	2163	2571	2193	1716	1910	2023	1917	1918	3268	2455	2150
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
4 Total Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6691	6532	6579	6546	6853	7221	6606	6392	6619	7139	6940	6376	7400	6829	6756
6 Total Investor-owned Entities	6691	6532	6579	6546	6853	7221	6606	6392	6619	7139	6940	6376	7400	6829	6756
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1918	1743	1829	1982	2163	2571	2193	1716	1910	2023	1917	1918	3268	2455	2150
8 Small & Non Generating Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
9 Investor-Owned Entities	6691	6532	6579	6546	6853	7221	6606	6392	6619	7139	6940	6376	7400	6829	6756
10 Regional Total Dedicated Resources	8675	8335	8475	8602	9103	9874	8872	8177	8613	9222	8905	8351	10745	9349	8978

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1932	1757	1843	1996	2177	2586	2208	1730	1924	2037	1930	2007	3281	2469	2171
2 Total Generating Public Entities	1932	1757	1843	1996	2177	2586	2208	1730	1924	2037	1930	2007	3281	2469	2171
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
4 Total Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6692	6534	6581	6547	6853	7223	6609	6395	6621	7009	6769	5995	6886	6832	6670
6 Total Investor-owned Entities	6692	6534	6581	6547	6853	7223	6609	6395	6621	7009	6769	5995	6886	6832	6670
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1932	1757	1843	1996	2177	2586	2208	1730	1924	2037	1930	2007	3281	2469	2171
8 Small & Non Generating Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
9 Investor-Owned Entities	6692	6534	6581	6547	6853	7223	6609	6395	6621	7009	6769	5995	6886	6832	6670
10 Regional Total Dedicated Resources	8690	8351	8491	8619	9117	9891	8890	8195	8629	9106	8748	8059	10244	9366	8912

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	1934	1759	1845	2000	2181	2590	2211	1734	1911	1864	1758	2123	3284	2472	2167
2 Total Generating Public Entities	1934	1759	1845	2000	2181	2590	2211	1734	1911	1864	1758	2123	3284	2472	2167
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
4 Total Non-Generating Public Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	6694	6538	6583	6547	6857	7228	6613	6399	6581	6877	6654	6237	7418	6837	6723
6 Total Investor-owned Entities	6694	6538	6583	6547	6857	7228	6613	6399	6581	6877	6654	6237	7418	6837	6723
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1934	1759	1845	2000	2181	2590	2211	1734	1911	1864	1758	2123	3284	2472	2167
8 Small & Non Generating Entities	66	60	67	75	87	82	73	70	84	61	49	58	77	64	71
9 Investor-Owned Entities	6694	6538	6583	6547	6857	7228	6613	6399	6581	6877	6654	6237	7418	6837	6723
10 Regional Total Dedicated Resources	8694	8357	8495	8622	9124	9900	8897	8204	8576	8802	8460	8417	10779	9373	8962

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Table A-26
Other Dedicated Resources
Monthly OY 2007 – 2016
Average Energy in Megawatts

Power Business Line

Reports Powered by:

Loads and Resources Information System

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3497	3291	3301	3724	4345	4547	4212	4169	4031	3703	3507	3361	3449	3386	3794
2 Total Generating Public Entities	3497	3291	3301	3724	4345	4547	4212	4169	4031	3703	3507	3361	3449	3386	3794
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3535	3444	3174	3345	3794	4108	4030	3938	3617	3425	3365	3372	3650	3752	3639
4 Total Non-Generating Public Entities	3535	3444	3174	3345	3794	4108	4030	3938	3617	3425	3365	3372	3650	3752	3639
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4965	4993	4819	4518	5264	5543	5396	5287	4701	4786	4730	3624	4471	4722	4840
6 Total Investor-owned Entities	4965	4993	4819	4518	5264	5543	5396	5287	4701	4786	4730	3624	4471	4722	4840
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3497	3291	3301	3724	4345	4547	4212	4169	4031	3703	3507	3361	3449	3386	3794
8 Non Generating Entities	3535	3444	3174	3345	3794	4108	4030	3938	3617	3425	3365	3372	3650	3752	3639
9 Investor-Owned Entities	4965	4993	4819	4518	5264	5543	5396	5287	4701	4786	4730	3624	4471	4722	4840
10 Regional Total Dedicated Resources	11998	11728	11294	11587	13403	14198	13638	13395	12350	11915	11602	10357	11571	11860	12273

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3600	3392	3488	3595	4175	4336	4099	4039	3953	3656	3460	3259	3546	3420	3747
2 Total Generating Public Entities	3600	3392	3488	3595	4175	4336	4099	4039	3953	3656	3460	3259	3546	3420	3747
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3731	3624	3299	3411	3853	4168	4090	3964	3669	3472	3411	3469	3763	3805	3717
4 Total Non-Generating Public Entities	3731	3624	3299	3411	3853	4168	4090	3964	3669	3472	3411	3469	3763	3805	3717
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4598	4627	4346	4589	5294	5624	5400	5273	4729	4839	4565	3504	4397	4897	4781
6 Total Investor-owned Entities	4598	4627	4346	4589	5294	5624	5400	5273	4729	4839	4565	3504	4397	4897	4781
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3600	3392	3488	3595	4175	4336	4099	4039	3953	3656	3460	3259	3546	3420	3747
8 Non Generating Entities	3731	3624	3299	3411	3853	4168	4090	3964	3669	3472	3411	3469	3763	3805	3717
9 Investor-Owned Entities	4598	4627	4346	4589	5294	5624	5400	5273	4729	4839	4565	3504	4397	4897	4781
10 Regional Total Dedicated Resources	11929	11643	11133	11595	13321	14128	13588	13276	12350	11966	11436	10232	11706	12122	12245

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3630	3421	3492	3603	4185	4345	4108	4084	3968	3674	3480	3189	3466	3465	3750
2 Total Generating Public Entities	3630	3421	3492	3603	4185	4345	4108	4084	3968	3674	3480	3189	3466	3465	3750
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3782	3675	3343	3428	3873	4189	4112	4019	3686	3494	3434	3437	3724	3841	3737
4 Total Non-Generating Public Entities	3782	3675	3343	3428	3873	4189	4112	4019	3686	3494	3434	3437	3724	3841	3737
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4602	4630	4464	4439	5119	5431	5145	5075	4486	4038	3709	2962	4422	4726	4563
6 Total Investor-owned Entities	4602	4630	4464	4439	5119	5431	5145	5075	4486	4038	3709	2962	4422	4726	4563
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3630	3421	3492	3603	4185	4345	4108	4084	3968	3674	3480	3189	3466	3465	3750
8 Non Generating Entities	3782	3675	3343	3428	3873	4189	4112	4019	3686	3494	3434	3437	3724	3841	3737
9 Investor-Owned Entities	4602	4630	4464	4439	5119	5431	5145	5075	4486	4038	3709	2962	4422	4726	4563
10 Regional Total Dedicated Resources	12014	11726	11298	11471	13177	13965	13364	13178	12141	11206	10622	9589	11611	12031	12051

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3652	3442	3486	3606	4233	4387	4216	4191	4086	3791	3542	3338	3690	3549	3833
2 Total Generating Public Entities	3652	3442	3486	3606	4233	4387	4216	4191	4086	3791	3542	3338	3690	3549	3833
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3805	3697	3349	3437	3883	4201	4123	4030	3697	3503	3442	3498	3799	3849	3757
4 Total Non-Generating Public Entities	3805	3697	3349	3437	3883	4201	4123	4030	3697	3503	3442	3498	3799	3849	3757
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4618	4646	4477	4467	5011	5247	5136	5062	4540	4615	4547	2997	3769	4651	4548
6 Total Investor-owned Entities	4618	4646	4477	4467	5011	5247	5136	5062	4540	4615	4547	2997	3769	4651	4548
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3652	3442	3486	3606	4233	4387	4216	4191	4086	3791	3542	3338	3690	3549	3833
8 Non Generating Entities	3805	3697	3349	3437	3883	4201	4123	4030	3697	3503	3442	3498	3799	3849	3757
9 Investor-Owned Entities	4618	4646	4477	4467	5011	5247	5136	5062	4540	4615	4547	2997	3769	4651	4548
10 Regional Total Dedicated Resources	12075	11785	11311	11510	13127	13835	13475	13283	12324	11908	11531	9833	11258	12049	12138

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3766	3537	3615	3748	4377	4528	4250	4224	4103	3809	3559	3265	3602	3602	3887
2 Total Generating Public Entities	3766	3537	3615	3748	4377	4528	4250	4224	4103	3809	3559	3265	3602	3602	3887
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3825	3921	3366	3454	3902	4221	4144	4050	3715	3518	3458	3460	3746	3864	3774
4 Total Non-Generating Public Entities	3825	3921	3366	3454	3902	4221	4144	4050	3715	3518	3458	3460	3746	3864	3774
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4560	4588	4458	4388	4978	5098	4901	4859	4447	4587	4587	3188	4294	4541	4526
6 Total Investor-owned Entities	4560	4588	4458	4388	4978	5098	4901	4859	4447	4587	4587	3188	4294	4541	4526
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3766	3537	3615	3748	4377	4528	4250	4224	4103	3809	3559	3265	3602	3602	3887
8 Non Generating Entities	3825	3921	3366	3454	3902	4221	4144	4050	3715	3518	3458	3460	3746	3864	3774
9 Investor-Owned Entities	4560	4588	4458	4388	4978	5098	4901	4859	4447	4587	4587	3188	4294	4541	4526
10 Regional Total Dedicated Resources	12151	12046	11439	11589	13258	13847	13295	13133	12264	11913	11604	9912	11642	12008	12187

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3804	3569	3649	3632	4223	4346	4132	4074	3928	3684	3451	3360	3972	3590	3847
2 Total Generating Public Entities	3804	3569	3649	3632	4223	4346	4132	4074	3928	3684	3451	3360	3972	3590	3847
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3834	3725	3378	3463	3911	4234	4155	4022	3725	3532	3471	3545	3866	3906	3791
4 Total Non-Generating Public Entities	3834	3725	3378	3463	3911	4234	4155	4022	3725	3532	3471	3545	3866	3906	3791
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4455	4483	4360	4250	4555	4688	4546	4486	4124	3686	3685	2921	4254	4526	4239
6 Total Investor-owned Entities	4455	4483	4360	4250	4555	4688	4546	4486	4124	3686	3685	2921	4254	4526	4239
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3804	3569	3649	3632	4223	4346	4132	4074	3928	3684	3451	3360	3972	3590	3847
8 Non Generating Entities	3834	3725	3378	3463	3911	4234	4155	4022	3725	3532	3471	3545	3866	3906	3791
9 Investor-Owned Entities	4455	4483	4360	4250	4555	4688	4546	4486	4124	3686	3685	2921	4254	4526	4239
10 Regional Total Dedicated Resources	12093	11777	11388	11345	12689	13268	12833	12583	11777	10902	10607	9826	12092	12022	11876

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3702	3466	3510	3650	4243	4365	4100	4111	3945	3703	3469	3287	3875	3611	3822
2 Total Generating Public Entities	3702	3466	3510	3650	4243	4365	4100	4111	3945	3703	3469	3287	3875	3611	3822
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3866	3767	3389	3459	3907	4229	4173	4082	3743	3547	3487	3507	3813	3923	3797
4 Total Non-Generating Public Entities	3866	3767	3389	3459	3907	4229	4173	4082	3743	3547	3487	3507	3813	3923	3797
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4433	4461	4333	4258	4558	4681	4608	4548	4144	4279	4279	2954	3948	4535	4274
6 Total Investor-owned Entities	4433	4461	4333	4258	4558	4681	4608	4548	4144	4279	4279	2954	3948	4535	4274
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3702	3466	3510	3650	4243	4365	4100	4111	3945	3703	3469	3287	3875	3611	3822
8 Non Generating Entities	3866	3767	3389	3459	3907	4229	4173	4082	3743	3547	3487	3507	3813	3923	3797
9 Investor-Owned Entities	4433	4461	4333	4258	4558	4681	4608	4548	4144	4279	4279	2954	3948	4535	4274
10 Regional Total Dedicated Resources	12001	11694	11232	11367	12708	13275	12880	12741	11832	11530	11236	9748	11636	12069	11893

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3722	3485	3527	3687	4287	4411	4148	4152	3986	3744	3508	3411	4023	3649	3876
2 Total Generating Public Entities	3722	3485	3527	3687	4287	4411	4148	4152	3986	3744	3508	3411	4023	3649	3876
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3882	3782	3404	3498	3952	4275	4217	4124	3782	3583	3522	3595	3916	3960	3842
4 Total Non-Generating Public Entities	3882	3782	3404	3498	3952	4275	4217	4124	3782	3583	3522	3595	3916	3960	3842
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4444	4472	4351	4249	4542	4664	4609	4557	4152	4279	4282	3182	4276	4505	4319
6 Total Investor-owned Entities	4444	4472	4351	4249	4542	4664	4609	4557	4152	4279	4282	3182	4276	4505	4319
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3722	3485	3527	3687	4287	4411	4148	4152	3986	3744	3508	3411	4023	3649	3876
8 Non Generating Entities	3882	3782	3404	3498	3952	4275	4217	4124	3782	3583	3522	3595	3916	3960	3842
9 Investor-Owned Entities	4444	4472	4351	4249	4542	4664	4609	4557	4152	4279	4282	3182	4276	4505	4319
10 Regional Total Dedicated Resources	12047	11739	11282	11433	12781	13350	12974	12833	11920	11606	11312	10187	12215	12114	12037

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3760	3523	3567	3726	4331	4462	4194	4202	4026	3782	3544	3353	3948	3686	3900
2 Total Generating Public Entities	3760	3523	3567	3726	4331	4462	4194	4202	4026	3782	3544	3353	3948	3686	3900
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3918	3818	3438	3532	3991	4317	4260	4167	3819	3619	3557	3576	3882	3996	3869
4 Total Non-Generating Public Entities	3918	3818	3438	3532	3991	4317	4260	4167	3819	3619	3557	3576	3882	3996	3869
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4455	4484	4376	4280	4580	4682	4652	4593	4230	3730	3730	2946	4286	4548	4281
6 Total Investor-owned Entities	4455	4484	4376	4280	4580	4682	4652	4593	4230	3730	3730	2946	4286	4548	4281
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3760	3523	3567	3726	4331	4462	4194	4202	4026	3782	3544	3353	3948	3686	3900
8 Non Generating Entities	3918	3818	3438	3532	3991	4317	4260	4167	3819	3619	3557	3576	3882	3996	3869
9 Investor-Owned Entities	4455	4484	4376	4280	4580	4682	4652	4593	4230	3730	3730	2946	4286	4548	4281
10 Regional Total Dedicated Resources	12133	11825	11381	11538	12902	13461	13106	12962	12076	11131	10831	9875	12116	12230	12051

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

3/31/2006

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Generating Public Entities-</i>															
1 Generating Public Entities	3796	3560	3603	3765	4373	4507	4238	4172	4068	3820	3582	3476	4098	3722	3950
2 Total Generating Public Entities	3796	3560	3603	3765	4373	4507	4238	4172	4068	3820	3582	3476	4098	3722	3950
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3954	3855	3471	3569	4032	4364	4307	4156	3860	3656	3594	3665	3988	4035	3915
4 Total Non-Generating Public Entities	3954	3855	3471	3569	4032	4364	4307	4156	3860	3656	3594	3665	3988	4035	3915
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4500	4528	4419	4323	4622	4725	4654	4595	4274	4287	4287	2968	4002	4586	4331
6 Total Investor-owned Entities	4500	4528	4419	4323	4622	4725	4654	4595	4274	4287	4287	2968	4002	4586	4331
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3796	3560	3603	3765	4373	4507	4238	4172	4068	3820	3582	3476	4098	3722	3950
8 Non Generating Entities	3954	3855	3471	3569	4032	4364	4307	4156	3860	3656	3594	3665	3988	4035	3915
9 Investor-Owned Entities	4500	4528	4419	4323	4622	4725	4654	4595	4274	4287	4287	2968	4002	4586	4331
10 Regional Total Dedicated Resources	12250	11943	11493	11658	13027	13596	13199	12922	12202	11763	11463	10109	12087	12344	12196