

# 2007 Pacific Northwest Loads & Resources Study

Operating Years 2008 through 2017

## Technical Appendix Volume 1: Energy Analysis

---

March 2007

---





**2007 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY**

**The White Book**

**TECHNICAL APPENDIX**

**VOLUME 1**

**ENERGY ANALYSIS**

**BONNEVILLE POWER ADMINISTRATION  
March 2007**

***Cover Picture:***

Source: BPA Photo archive

Pictured is a transmission tower at the Celilo Converter Station which began service in 1970.

The Celilo Converter Station sits at the northern end of the 846-mile Pacific high-voltage direct-current Intertie. The Intertie ends at the Sylmar converter station in Los Angeles. Both stations convert alternating current (AC) into direct current and send it to the other station where it is converted back into AC, with less line losses than an all AC line. Due to technology and innovation changes, Celilo currently sends south up to 3,100 MW of direct current energy; more than double the capacity it sent when it was initially built in 1970.

---

## 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**

Reports Powered by:



Loads and Resources Information System



**2007 Pacific Northwest Loads and Resources  
For Operating Years 2008 Through 2017  
Technical Appendix, Volume 1  
Energy Analysis**

---

---

**Table of Contents**

---

---

<b>Annual Energy for OY 2008 through 2017</b>		<b>Page</b>
Section 1	Annual Federal Loads & Resources Tables	1
Section 2	Annual Regional Loads & Resources Tables	5
Section 3	Annual A-Tables	9
<b>Monthly Energy for OY 2008 through 2017</b>		
Section 4	Monthly Federal Loads & Resources Tables	77
Section 5	Monthly Regional Loads & Resources Tables	91
Section 6	Monthly Federal 50-Water Year Tables	105
Section 7	Monthly Regional 50-Water Year Tables	119
Section 8	Monthly A-Tables	133





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

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Federal Table  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.	Avg.
<b>Non-Utility Obligations</b>										
<i>Fed. Agencies 2002 PSC</i>	130	140	143	144	146	147	148	149	151	152
<i>USBR 2002 PSC</i>	160	160	160	160	160	160	160	160	160	160
<i>DSI 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Non-Utility Obligations</i>	291	301	304	305	306	307	308	310	311	313
<b>Transfers Out</b>										
<i>NGP 2002 PSC</i>	3122	3205	3266	3315	3363	3407	3455	3503	3549	3592
<i>GPU 2002 PSC</i>	2360	2376	2390	2398	2371	2380	2410	2444	2475	2515
<i>NGP 2002 Slice PSC</i>	612	606	616	609	622	612	625	614	627	615
<i>GPU 2002 Slice PSC</i>	1018	1010	1027	1015	1037	1019	1041	1022	1044	1025
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	648	598	692	653	601	581	571	558	540	522
<i>Regional Transfers (Out)</i>	424	387	387	387	202	184	178	178	178	178
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	8183	8182	8378	8377	8197	8183	8280	8319	8414	8448
<i>Total Firm Obligations</i>	8474	8483	8681	8682	8503	8490	8589	8629	8725	8760
<b>Hydro Resources</b>										
<i>Regulated Hydro</i>	6444	6512	6538	6553	6568	6583	6585	6585	6585	6585
<i>Independent Hydro</i>	374	374	374	374	359	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>	131	132	138	140	139	137	136	134	133	131
<i>Total Hydro Resources</i>	6949	7018	7050	7068	7066	7076	7077	7075	7074	7072
<b>Other Resources</b>										
<i>Small Thermal &amp; 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>	199	184	183	175	175	175	175	175	171	155
<i>Regional Transfers (In)</i>	329	285	276	276	105	90	90	84	84	84
<i>Large Thermal</i>	1030	878	1030	878	1030	878	1030	878	1030	878
<i>Non-Utility Generation</i>	77	78	98	104	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>	1658	1447	1610	1456	1437	1270	1422	1263	1412	1244
<i>Total Resources</i>	8607	8466	8661	8524	8503	8345	8499	8339	8486	8316
<b>Reserves &amp; Maintenance</b>										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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	-244	-240	-240	-235	-240	-235	-239	-235
<i>Total Reserves, Maintenance &amp; Losses</i>	-243	-239	-244	-240	-240	-235	-240	-235	-239	-235
<i>Total Net Resources</i>	8364	8227	8416	8283	8263	8110	8259	8104	8246	8081
<i>Total Firm Surplus/Deficit</i>	-109	-256	-265	-399	-240	-381	-330	-525	-479	-679

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

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Regional Table  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<b><u>Firm Regional Loads</u></b>										
<i>Regional Firm Loads</i>	21536	21939	22237	22521	22808	23086	23359	23665	23952	24263
<i>Exports</i>	998	943	1036	997	943	906	892	845	789	762
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Firm Regional Loads</i>	22534	22882	23273	23518	23751	23991	24252	24510	24741	25025
<b><u>Non-Firm Regional Loads</u></b>										
<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>	22545	22893	23284	23529	23762	24002	24262	24520	24751	25036
<b><u>Hydro Resources</u></b>										
<i>Regulated Hydro</i>	10722	10791	10817	10832	10847	10861	10864	10864	10864	10864
<i>Independent Hydro</i>	1075	1069	1069	1064	1070	1071	1073	1074	1074	1074
<i>Operational Peaking Adjustment</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Hydro Resources</i>	11797	11859	11886	11896	11917	11933	11937	11938	11938	11938
<b><u>Other Resources</u></b>										
<i>Small Thermal &amp; Misc.</i>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<i>Combustion Turbines</i>	3227	3248	3250	3257	3234	3238	3241	3240	3240	3240
<i>Renewables</i>	321	353	357	356	356	356	358	357	354	355
<i>Cogeneration</i>	2191	2204	2198	2208	2184	2200	2189	2200	2184	2200
<i>Imports</i>	1201	1063	1039	924	851	857	864	872	876	868
<i>Large Thermal</i>	6208	5929	6221	6028	6134	5995	6178	5950	6147	6071
<i>Non-Utility Generation</i>	1309	1344	1366	1374	1374	1375	1375	1375	1375	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14457	14143	14430	14147	14134	14020	14205	13994	14177	14110
<i>Total Resources</i>	26254	26002	26316	26042	26050	25953	26142	25932	26115	26049
<b><u>Reserves &amp; Maintenance</u></b>										
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-740	-733	-742	-734	-734	-732	-737	-731	-736	-734
<i>Total Reserves, Maintenance &amp; Losses</i>	-752	-745	-754	-746	-746	-744	-749	-743	-748	-746
<i>Total Net Resources</i>	25502	25257	25562	25296	25304	25209	25393	25189	25367	25302
<b><u>Surplus/Deficits</u></b>										
<i>Firm Surplus/Deficit</i>	2968	2375	2289	1778	1553	1218	1142	680	626	277
<i>Total Surplus/Deficit</i>	2957	2364	2278	1767	1542	1207	1131	669	616	267



# Section 3

## Annual OY 2008 – 2017

### Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro Projects	A-3
Independent Hydro Projects	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 <sup>1</sup>
Canadian Entitlement Return for CSPE	A-12 <sup>2</sup>
Columbia Storage Power Exchange Purchase (CSPE)	A-13 <sup>2</sup>
Supplemental & Entitlement Capacity	A-14 <sup>2</sup>
Canadian Entitlement Return for Canada	A-15
Intra-Regional Transfers	A-16
Capacity Reserves	A-17 <sup>3</sup>
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 Sale Contracts	A-22
Non-Utility Generating Resources by Owner	A-23
Non-Utility Generating Resources by Project and Project Type	A-24
Dedicated Resources	A-26
Other Dedicated Resources	A-27

---

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

<sup>2</sup> Table is obsolete due to expiration of contract on March 31, 2003.

<sup>3</sup> Capacity Reserves are not applicable to energy.

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-1  
Total Retail Loads  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<b>Firm Loads</b>										
<i>-Federal Entities-</i>										
1 Federal Entities	140	150	153	154	155	156	158	159	160	162
<b>2 Total Federal Entities</b>	<b>140</b>	<b>150</b>	<b>153</b>	<b>154</b>	<b>155</b>	<b>156</b>	<b>158</b>	<b>159</b>	<b>160</b>	<b>162</b>
<i>-U.S. Bureau of Reclamation-</i>										
3 U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
<b>4 Total U.S. Bureau of Reclamation</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>
<i>-Direct Service Industry-</i>										
5 Direct Service Industry	630	638	638	638	663	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>630</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>663</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>										
7 Generating Public Entities	5210	5353	5440	5502	5561	5620	5678	5741	5797	5871
<b>8 Total Generating Public Entities</b>	<b>5210</b>	<b>5353</b>	<b>5440</b>	<b>5502</b>	<b>5561</b>	<b>5620</b>	<b>5678</b>	<b>5741</b>	<b>5797</b>	<b>5871</b>
<i>-Non-Generating Public Entities-</i>										
9 Non-Generating Public Entities	3740	3838	3915	3979	4041	4095	4158	4221	4285	4342
<b>10 Total Non-Generating Public Entities</b>	<b>3740</b>	<b>3838</b>	<b>3915</b>	<b>3979</b>	<b>4041</b>	<b>4095</b>	<b>4158</b>	<b>4221</b>	<b>4285</b>	<b>4342</b>
<i>-Investor-Owned Entities-</i>										
11 Investor-Owned Entities	11349	11492	11621	11777	11916	12073	12223	12399	12564	12740
<b>12 Total Investor-Owned Entities</b>	<b>11349</b>	<b>11492</b>	<b>11621</b>	<b>11777</b>	<b>11916</b>	<b>12073</b>	<b>12223</b>	<b>12399</b>	<b>12564</b>	<b>12740</b>
<i>-Other Firm Loads-</i>										
13 Other PNW Entities	308	308	309	310	312	313	315	316	318	319
<b>14 Total Other Firm Loads</b>	<b>308</b>	<b>308</b>	<b>309</b>	<b>310</b>	<b>312</b>	<b>313</b>	<b>315</b>	<b>316</b>	<b>318</b>	<b>319</b>
<i>-Total Regional Firm Loads-</i>										
15 Federal Entities	300	311	313	314	316	317	318	319	321	322
16 Direct Service Industry	630	638	638	638	663	668	668	668	668	668
17 Public Entities	8949	9191	9356	9481	9602	9715	9836	9962	10082	10213
18 Investor-Owned Entities	11349	11492	11621	11777	11916	12073	12223	12399	12564	12740
19 Other Entities	308	308	309	310	312	313	315	316	318	319
<b>20 Total Regional Firm Loads</b>	<b>21536</b>	<b>21939</b>	<b>22237</b>	<b>22521</b>	<b>22808</b>	<b>23086</b>	<b>23359</b>	<b>23665</b>	<b>23952</b>	<b>24263</b>
<b>Non-Firm Loads</b>										
<i>-Investor-Owned Entities-</i>										
21 Investor-Owned Entities	11	11	11	11	11	11	11	11	11	11
<b>22 Total Investor-Owned Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>27 Total Regional Non-Firm Loads</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<i>-Total Regional Loads-</i>										
28 Federal Entities	300	311	313	314	316	317	318	319	321	322
29 Direct Service Industry	630	638	638	638	663	668	668	668	668	668
30 Public Entities	8949	9191	9356	9481	9602	9715	9836	9962	10082	10213
31 Investor-Owned Entities	11360	11503	11632	11788	11927	12084	12234	12410	12574	12751
32 Other Entities	308	308	309	310	312	313	315	316	318	319
<b>33 Total Regional Loads</b>	<b>21547</b>	<b>21950</b>	<b>22248</b>	<b>22532</b>	<b>22819</b>	<b>23096</b>	<b>23370</b>	<b>23675</b>	<b>23963</b>	<b>24274</b>

Table A-2  
Exports  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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	81	56	49	55	13	5.2	5.2	5.2	5.2	4.7
<b>3 Total Exports To ECD</b>	<b>89</b>	<b>64</b>	<b>57</b>	<b>63</b>	<b>21</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
<i>-Exports to Pacific Southwest-</i>										
4 BPA To BURB C/N/X	2.4	0	0	0	0	0	0	0	0	0
5 BPA To GLEN C/N/X	2.7	0	0	0	0	0	0	0	0	0
6 BPA To PASA C/N/X	1.6	0	0	0	0	0	0	0	0	0
7 BPA To PASA C/N/X	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0	0
8 BPA To PASA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0	0
9 BPA To RVSD CapS	2.9	2.9	2.9	0	0	0	0	0	0	0
10 BPA To RVSD C/N/X	2.9	2.9	1.7	0	0	0	0	0	0	0
11 BPA To RVSD C/N/X	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9	4.0	0
12 BPA To RVSD S/Pwr/X	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	0	0
13 Other Entities To Other Entities	50	50	50	50	50	50	50	50	50	50
14 PGE To GLEN PwrS	20	20	20	20	20	3.3	0	0	0	0
15 PGE To GLEN S/Pwr/X	3.5	3.5	3.5	3.5	1.8	0	0	0	0	0
16 PPL To REDD PwrS	15	15	15	15	15	15	15	15	8	0
17 PPL To SMUD PwrS	66	66	66	66	66	66	66	31	0	0
18 PSE To PG&E S/Pwr/X	46	47	47	47	47	47	47	47	47	47
19 SCL To NCPA S/Pwr/X	10	10	10	10	10	10	10	10	10	10
20 SDGE To SDGE PwrS	75	75	75	75	75	75	75	75	75	75
21 SHPD To SMUD PwrS	6	0	0	0	0	0	0	0	0	0
22 TID To TID PwrS	50	50	50	50	50	50	50	50	50	50
23 BPA NW-SW Intertie Losses	0.7	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.1	0
<b>24 Total Exports To PSW</b>	<b>366</b>	<b>354</b>	<b>352</b>	<b>347</b>	<b>345</b>	<b>328</b>	<b>324</b>	<b>289</b>	<b>244</b>	<b>232</b>
<i>-Exports to Inland Southwest-</i>										
25 BPA To SPP PwrS	60	60	60	60	60	60	60	60	60	60
<b>26 Total Exports To ISW</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>
<i>-Exports to Canada-</i>										
27 BPA To BCHP CanEnt	483	465	567	527	517	505	495	483	471	457
<b>28 Total Exports To Canada</b>	<b>483</b>	<b>465</b>	<b>567</b>	<b>527</b>	<b>517</b>	<b>505</b>	<b>495</b>	<b>483</b>	<b>471</b>	<b>457</b>
<i>-Exports to Other Entities-</i>										
<b>29 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>										
30 Federal Entities	648	598	692	653	601	581	571	558	540	522
31 Public Entities	117	111	111	111	111	111	111	111	111	111
32 Investor-Owned Entities	233	234	234	234	232	214	210	176	137	129
33 Other Entities	0	0	0	0	0	0	0	0	0	0
<b>34 Total Exports.</b>	<b>998</b>	<b>943</b>	<b>1036</b>	<b>997</b>	<b>943</b>	<b>906</b>	<b>892</b>	<b>845</b>	<b>789</b>	<b>762</b>

Table A-3  
Regulated Hydro Projects  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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	384	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	1084	1085	1089	1102	1117	1131	1134	1134	1134	1134
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	147	147	147	147	147	147	147	147	147
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	1959	1964	1967	1967	1967	1967	1967	1967	1967
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	169	169	169	169	169	169	169	169	169	169
20 John Day	819	820	820	820	820	820	820	820	820	820
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	180	189	194	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	180	189	189	189	189	189	189	189	189
29 Lower Monumental	153	182	191	191	191	191	191	191	191	191
30 Mayfield	68	68	68	68	68	68	68	68	68	68
31 McNary	495	495	489	489	489	489	489	489	489	489
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	619	619	619	619	619	619	619	619	619	619
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
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



Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
57 Wells	352	352	352	352	352	352	352	352	352	352
58 Yale	56	56	56	56	56	56	56	56	56	56
<b>Total Regulated Hydro w/Enc.</b>	<b>10722</b>	<b>10791</b>	<b>10817</b>	<b>10832</b>	<b>10847</b>	<b>10861</b>	<b>10864</b>	<b>10864</b>	<b>10864</b>	<b>10864</b>
<i>-Total Regulated Hydro W/Enc.-</i>										
59 Federal System	6444	6512	6538	6553	6568	6583	6585	6585	6585	6585
60 Public Entities	1749	1749	1802	1846	1848	1850	1853	1855	1856	1856
61 Investor-Owned Entities	2339	2339	2288	2244	2242	2240	2237	2235	2234	2234
62 Other Entities	190	190	189	189	189	189	189	189	189	189
<b>63 Total Regulated Hydro w/Enc.</b>	<b>10722</b>	<b>10791</b>	<b>10817</b>	<b>10832</b>	<b>10847</b>	<b>10861</b>	<b>10864</b>	<b>10864</b>	<b>10864</b>	<b>10864</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-4  
Independent Hydro Projects  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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 Ashton	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
4 Bend Power Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
5 Big Cliff	11	11	11	11	11	11	11	11	11	11
6 Big Fork	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
7 Black Canyon	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
8 Bliss	42	42	42	42	42	42	42	42	42	42
9 Boise River Diversion	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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	2.1	0	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	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
23 Eagle Point	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
24 East Side	2.0	2.0	2.0	0.7	0	0	0	0	0	0
25 Felt	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
26 Foster	12	12	12	12	12	12	12	12	12	12
27 Gem State Hydro	14	14	14	14	14	14	14	14	14	14
28 Grace	23	23	23	23	23	23	23	23	23	23
29 Green Peter	27	27	27	27	27	27	27	27	27	27
30 Green Springs - USBR	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
31 Hellroaring (Big) Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
32 Hills Creek	18	18	18	18	18	18	18	18	18	18
33 Hood Street	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
34 Idaho Falls - City Plant	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
35 Idaho Falls - Lower Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
36 Idaho Falls - Upper Plant	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
37 Island Park	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
38 Jackson	43	43	43	43	43	43	43	43	43	43
39 John C Boyle	39	39	39	39	39	39	39	39	39	39
40 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
41 Last Chance	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
42 Leaburg	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
43 Lookout Point	35	35	35	35	35	35	35	35	35	35
44 Lost Creek	30	30	30	30	30	30	30	30	30	30
45 Lower Malad	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
46 Lower Salmon	26	26	26	26	26	26	26	26	26	26
47 McNary Fishway	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
48 Mill Creek (WA)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
49 Milner	2	2	2	2	2	2	2	2	2	2
50 Minidoka	16	16	16	16	16	16	16	16	16	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	100	100	100	100	100	100	100	100	100	100
53 Oneida	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
54 Packwood	9.9	9.9	9.9	1.4	8.5	9.9	9.9	9.9	9.9	9.9
55 Palisades	66	66	66	66	66	66	66	66	66	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
57 Powerdale	0	0	0	0	0	0	0	0	0	0
58 Reeder Gulch	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
59 Rogue	36	36	36	36	36	36	36	36	36	36
60 Roza	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
61 Shoshone Falls	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
62 Smith Creek	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
63 Snoq Elect & Nooksack	46	46	46	46	46	46	46	46	46	46
64 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65 Soda Point Project	3	3	3	3	3	3	3	3	3	3
66 South Fork Tolt	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67 Stone Creek	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
68 Strawberry Creek	1	1	1	1	1	1	1	1	1	1
69 Swan Falls	16	16	16	16	16	16	16	16	16	16
70 The Dalles Fishway	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
71 Thousand Springs	11	11	11	11	11	11	11	11	11	11
72 Trail Bridge	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
73 TW Sullivan	7	7	9.3	14	14	14	14	14	14	14
74 Twin Falls	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
75 Upper Malad	10	10	10	10	10	10	10	10	10	10
76 Upper Salmon 1 & 2	18	18	18	18	18	18	18	18	18	18
77 Upper Salmon 3 & 4	15	15	15	15	15	15	15	15	15	15
78 Wallowa Falls	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
79 Wallterville	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
80 West Side	0.4	0.4	0.4	0.1	0	0	0	0	0	0
81 Wynochee	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82 Yelm	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
83 Blue River	0	0	0	0	0	0	1.5	2.7	2.7	2.7
<b>Total Independent Hydro w/Enc.</b>	<b>1075</b>	<b>1069</b>	<b>1069</b>	<b>1064</b>	<b>1070</b>	<b>1071</b>	<b>1073</b>	<b>1074</b>	<b>1074</b>	<b>1074</b>
<i>-Total Independent Hydro W/Enc.-</i>										
84 Federal System	374	374	374	374	359	356	356	356	356	356
85 Public Entities	159	159	159	150	173	177	179	180	180	180
86 Investor-Owned Entities	542	536	536	539	538	538	538	538	538	538
87 Other Entities	0	0	0	0	0	0	0	0	0	0
<b>88 Total Independent Hydro w/Enc.</b>	<b>1075</b>	<b>1069</b>	<b>1069</b>	<b>1064</b>	<b>1070</b>	<b>1071</b>	<b>1073</b>	<b>1074</b>	<b>1074</b>	<b>1074</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-5  
Imports  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Imports From East of Continental Divide-</i>										
1 BEPC To NWE PwrS	42	42	42	0	0	0	0	0	0	0
2 NWE To NWE PwrS	140	166	147	140	106	110	114	118	122	125
3 Other Entities To IPC	11	11	3.7	0	0	0	0	0	0	0
4 PPL To BPA PwrS	94	94	94	94	94	94	94	94	94	94
5 PPL To PPL PwrS	153	0	0	0	0	0	0	0	0	0
<b>6 Total Imports From ECD</b>	<b>441</b>	<b>314</b>	<b>287</b>	<b>234</b>	<b>201</b>	<b>204</b>	<b>208</b>	<b>212</b>	<b>216</b>	<b>220</b>
<i>-Imports From Pacific Southwest-</i>										
7 BURB To BPA XchgNrg	2.8	0	0	0	0	0	0	0	0	0
8 BURB To BPA PkRepl	2.4	0	0	0	0	0	0	0	0	0
9 GLEN To BPA XchgNrg	3.2	0	0	0	0	0	0	0	0	0
10 GLEN To BPA PkRepl	2.7	0	0	0	0	0	0	0	0	0
11 GLEN To PGE S/Pwr/X	3.6	3.5	3.5	3.6	1.8	0	0	0	0	0
12 NCPA To SCL S/Pwr/X	13	13	13	13	13	13	13	13	13	13
13 PASA To BPA XchgNrg	1.9	0	0	0	0	0	0	0	0	0
14 PASA To BPA PkRepl	1.6	0	0	0	0	0	0	0	0	0
15 PASA To BPA XchgNrg	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0	0
16 PASA To BPA S/N/X	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0	0
17 PASA To BPA PkRepl	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.7	0	0
18 PG&E To PSE S/Pwr/X	48	48	48	48	48	48	48	48	48	48
19 RVSD To BPA XchgNrg	3.1	3.2	3.2	0	0	0	0	0	0	0
20 RVSD To BPA PkRepl	2.9	2.9	2.9	0	0	0	0	0	0	0
21 RVSD To BPA PkRepl	2.9	2.9	1.7	0	0	0	0	0	0	0
22 RVSD To BPA XchgNrg	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	0
23 RVSD To BPA S/Pwr/X	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	0
24 RVSD To BPA PkRepl	4.9	5.0	4.9	4.8	4.9	4.9	4.9	4.9	4.0	0
25 WSPP To Other Entities	100	100	100	42	0	0	0	0	0	0
<b>26 Total Imports From PSW</b>	<b>207</b>	<b>193</b>	<b>191</b>	<b>125</b>	<b>82</b>	<b>80</b>	<b>80</b>	<b>80</b>	<b>76</b>	<b>60</b>
<i>-Imports From Inland Southwest-</i>										
27 SPP To BPA PwrS	60	60	60	60	60	60	60	60	60	60
28 UPL To UPL PwrS	454	458	462	466	470	474	478	482	486	490
<b>29 Total Imports From ISW</b>	<b>514</b>	<b>518</b>	<b>522</b>	<b>526</b>	<b>530</b>	<b>534</b>	<b>538</b>	<b>542</b>	<b>546</b>	<b>550</b>
<i>-Imports From Canada-</i>										
30 BCHP To BPA PwrS	1	1	1	1	1	1	1	1	1	1
31 BCHP To SCL PwrS	36	36	36	36	36	36	36	36	36	36
32 Other Entities To PSE	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
<b>33 Total Imports From Canada</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>
<i>-Imports From Other Entities-</i>										
<b>34 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>										
35 Federal System	199	184	183	175	175	175	175	175	171	155
36 Public Entities	48	48	48	48	48	48	48	48	48	48
37 Investor-Owned Entities	854	731	707	659	628	633	641	649	657	665
38 Other Entities	100	100	100	42	0	0	0	0	0	0
<b>39 Total Imports.</b>	<b>1201</b>	<b>1063</b>	<b>1039</b>	<b>924</b>	<b>851</b>	<b>857</b>	<b>864</b>	<b>872</b>	<b>876</b>	<b>868</b>



Table A-6  
Small Thermal & Miscellaneous  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>										
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>										
6 Corette	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>
<i>-Other Entities-</i>										
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>										
10 Federal System	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>

Table A-7  
Combustion Turbines  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<b>-Federal System-</b>										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
<b>-Public Entities-</b>										
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	113	113	113	113	113	113	113	113	113	113
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 River Road	172	179	165	172	194	198	201	201	201	201
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0
10 Wauna Peaking Project	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
11 Total Public Entities	290	297	284	290	312	317	319	319	319	319
<b>-Investor-Owned Entities-</b>										
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4
13 Beaver	382	368	383	381	335	337	337	337	337	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15
15 Bennett Mountain	2	2.1	2.4	3.2	3.5	2.6	2.9	2.5	2.5	2.5
16 Boulder Park	24	24	24	24	24	24	24	25	25	25
17 Danskin	0.9	0.8	0.9	1	1.2	0.9	1	0.9	0.9	0.9
18 Danskin 2	0.4	2.1	2.4	3.2	3.5	2.6	2.9	2.5	2.5	2.5
19 Encogen	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
23 Fredrickson 1&2	4	4	4	4	4	4	4	4	4	4
24 Goldendale Energy Center	224	224	224	224	224	224	224	224	224	224
25 Kettle Falls CT	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
26 Northeastern 1 & 2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
27 Port Westward CCCT	366	366	366	366	366	366	366	366	366	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1155	1143	1159	1158	1114	1113	1114	1113	1113	1113
<b>-Other Entities-</b>										
30 Big Hanaford CCCT	224	224	224	224	224	224	224	224	224	224
31 Chehalis Generation Facility CCCT	417	417	417	417	417	417	417	417	417	417
32 Frederickson CT	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	262	288	288	288	288	288	288	288	288	288
37 Satsop	585	585	585	585	585	585	585	585	585	585
38 Total Other Entities	1782	1808	1808	1808	1808	1808	1808	1808	1808	1808
<b>-Combustion Turbines-</b>										
39 Federal System	0	0	0	0	0	0	0	0	0	0
40 Public Entities	290	297	284	290	312	317	319	319	319	319
41 Investor-Owned Entities	1155	1143	1159	1158	1114	1113	1114	1113	1113	1113
42 Other Entities	1782	1808	1808	1808	1808	1808	1808	1808	1808	1808
43 Total Combustion Turbines	3227	3248	3250	3257	3234	3238	3241	3240	3240	3240

Table A-8  
Renewable Resources  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Federal System-</i>										
1 Georgia-Pacific Paper (Wauna)	23	23	23	23	23	23	23	23	23	23
<b>2 Total Federal System</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>
<i>-Public Entities-</i>										
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	5.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	7.2
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8
6 Short Mountain	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<b>7 Total Public Entities</b>	<b>20</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>										
8 Biglow Canyon	25	37	37	37	37	37	37	37	37	37
9 Hopkins Ridge	34	34	34	34	34	34	34	34	34	34
10 Horseshoe Bend Wind Park	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
11 Kettle Falls	44	40	44	42	43	42	44	43	42	43
12 Leaning Juniper	25	25	25	25	25	25	25	25	25	25
13 Marengo Wind Project	32	32	32	32	32	32	32	32	32	32
14 Telocaset	19	23	23	23	23	23	23	23	23	23
15 Wild Horse Wind Power Project	57	57	57	57	57	57	57	57	57	57
<b>16 Total Investor-Owned Entities</b>	<b>239</b>	<b>250</b>	<b>255</b>	<b>253</b>	<b>254</b>	<b>253</b>	<b>255</b>	<b>254</b>	<b>253</b>	<b>254</b>
<i>-Other Entities-</i>										
17 Klondike III	39	58	58	58	58	58	58	58	57	57
<b>18 Total Other Entities</b>	<b>39</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>58</b>	<b>57</b>	<b>57</b>
<i>-Renewable Resources-</i>										
19 Federal System	23	23	23	23	23	23	23	23	23	23
20 Public Entities	20	22	22	22	22	22	22	22	22	22
21 Investor-Owned Entities	239	250	255	253	254	253	255	254	253	254
22 Other Entities	39	58	58	58	58	58	58	58	57	57
<b>23 Total Renewable Resources</b>	<b>321</b>	<b>353</b>	<b>357</b>	<b>356</b>	<b>356</b>	<b>356</b>	<b>358</b>	<b>357</b>	<b>354</b>	<b>355</b>

Table A-9  
Cogeneration  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Federal System-</i>										
1 Total Federal System	0	0	0	0	0	0	0	0	0	0
<i>-Public Entities-</i>										
2 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	14	14	14	14	14	14	14	14	14	14
4 WEYCO Energy Center	14	14	14	14	14	14	14	14	14	14
5 Total Public Entities	33	33	33	33	33	33	33	33	33	33
<i>-Investor-Owned Entities-</i>										
6 Coyote Springs #1	212	209	214	214	205	205	205	205	205	205
7 Coyote Springs #2	251	266	256	266	251	266	256	266	251	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406
10 Thompson River Co-Gen	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
11 Total Investor-Owned Entities	923	935	929	939	916	931	921	931	916	931
<i>-Other Entities-</i>										
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	568	568	568	568	568	568	568	568	568	568
15 Klamath Cogeneration Project	436	436	436	436	436	436	436	436	436	436
16 Longview Fibre Cogen 1-7	31	31	31	31	31	31	31	31	31	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	35	35	35	35	35	35	35	35	35	35
20 Total Other Entities	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236
<i>-Cogeneration-</i>										
21 Federal System	0	0	0	0	0	0	0	0	0	0
22 Public Entities	33	33	33	33	33	33	33	33	33	33
23 Investor-Owned Entities	923	935	929	939	916	931	921	931	916	931
24 Other Entities	1236	1236	1236	1236	1236	1236	1236	1236	1236	1236
25 Total Cogeneration	2191	2204	2198	2208	2184	2200	2189	2200	2184	2200



Table A-10  
Large Thermal  
Annual OY 2008 – 2017  
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  
2008 - 2017 Operating Years  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<b>-Boardman: Coal-</b>										
1 Idaho Power Company	45	43	48	47	43	43	43	43	43	43
2 Portland General Electric	295	281	313	308	279	279	279	279	279	279
3 San Diego Gas & Electric	67	64	71	70	63	63	63	63	63	63
4 Turlock Irrigation District	45	43	48	47	43	43	43	43	43	43
<b>5 Boardman: Regional Total</b>	<b>453</b>	<b>431</b>	<b>480</b>	<b>472</b>	<b>429</b>	<b>429</b>	<b>429</b>	<b>429</b>	<b>429</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>										
6 TransAlta Energy Marketing	577	626	554	626	577	626	577	626	554	626
<b>7 Centralia #1: Regional Total</b>	<b>577</b>	<b>626</b>	<b>554</b>	<b>626</b>	<b>577</b>	<b>626</b>	<b>577</b>	<b>626</b>	<b>554</b>	<b>626</b>
<b>-Centralia #2: Coal-</b>										
8 TransAlta Energy Marketing	626	577	626	554	626	577	626	577	626	554
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>577</b>	<b>626</b>	<b>554</b>	<b>626</b>	<b>577</b>	<b>626</b>	<b>577</b>	<b>626</b>	<b>554</b>
<b>-Colstrip #1: Coal-</b>										
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	136	120	142	142	126	142	142	126	142	142
<b>12 Colstrip #1: Regional Total</b>	<b>136</b>	<b>120</b>	<b>142</b>	<b>142</b>	<b>126</b>	<b>142</b>	<b>142</b>	<b>126</b>	<b>142</b>	<b>142</b>
<b>-Colstrip #2: Coal-</b>										
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	123	142	142	126	142	142	126	142	142	126
<b>15 Colstrip #2: Regional Total</b>	<b>123</b>	<b>142</b>	<b>142</b>	<b>126</b>	<b>142</b>	<b>142</b>	<b>126</b>	<b>142</b>	<b>142</b>	<b>126</b>
<b>-Colstrip #3: Coal-</b>										
16 Avista Corp (WWP Division)	106	105	94	106	106	94	106	106	94	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	70	62	71	71	62	71	71	62	71
19 Portland General Electric	141	141	125	141	141	125	141	141	125	141
20 Puget Sound Energy	176	176	156	176	176	156	176	176	156	176
<b>21 Colstrip #3: Regional Total</b>	<b>494</b>	<b>492</b>	<b>437</b>	<b>494</b>	<b>494</b>	<b>437</b>	<b>494</b>	<b>494</b>	<b>437</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>										
22 Avista Corp (WWP Division)	106	94	106	106	94	106	106	94	106	106
23 Northwestern Energy LLC (MPC)	212	187	212	212	187	212	212	187	212	212
24 Pacific Power	71	62	71	71	62	71	71	62	71	71
25 Portland General Electric	141	125	141	141	125	141	141	125	141	141
26 Puget Sound Energy	176	156	176	176	156	176	176	156	176	176
<b>27 Colstrip #4: Regional Total</b>	<b>705</b>	<b>624</b>	<b>705</b>	<b>705</b>	<b>624</b>	<b>705</b>	<b>705</b>	<b>624</b>	<b>705</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>										
28 BPA - Power Business	1030	878	1030	878	1030	878	1030	878	1030	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>878</b>	<b>1030</b>	<b>878</b>	<b>1030</b>	<b>878</b>	<b>1030</b>	<b>878</b>	<b>1030</b>	<b>878</b>
<b>-Jim Bridger #1: Coal-</b>										
30 Idaho Power Company	161	157	161	148	161	160	161	148	161	160
31 Pacific Power	322	314	322	296	322	319	322	296	322	319
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>471</b>	<b>483</b>	<b>444</b>	<b>483</b>	<b>479</b>	<b>483</b>	<b>444</b>	<b>483</b>	<b>479</b>
<b>-Jim Bridger #2: Coal-</b>										
33 Idaho Power Company	163	150	163	159	163	149	163	150	163	159
34 Pacific Power	325	299	325	317	325	298	325	299	325	317
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>449</b>	<b>488</b>	<b>476</b>	<b>488</b>	<b>446</b>	<b>488</b>	<b>449</b>	<b>488</b>	<b>476</b>
<b>-Jim Bridger #3: Coal-</b>										
36 Idaho Power Company	159	148	159	146	159	155	148	159	146	159
37 Pacific Power	318	297	318	292	318	310	297	318	292	318

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2008 - 2017 Operating Years  
[43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
38 Jim Bridger #3: Regional Total	477	445	477	437	477	465	445	477	437	477
<i>-Jim Bridger #4: Coal-</i>										
39 Idaho Power Company	136	154	150	154	141	154	136	154	150	154
40 Pacific Power	272	307	300	307	283	307	272	307	300	307
41 Jim Bridger #4: Regional Total	408	461	450	461	424	461	408	461	450	461
<i>-Valmy #1: Coal-</i>										
42 Idaho Power Company	92	98	92	97	99	92	109	109	109	110
43 Valmy #1: Regional Total	92	98	92	97	99	92	109	109	109	110
<i>-Valmy #2: Coal-</i>										
44 Idaho Power Company	116	116	116	116	116	116	116	116	116	116
45 Valmy #2: Regional Total	116	116	116	116	116	116	116	116	116	116
<i>-Total Large Thermal-</i>										
46 Federal System	1030	878	1030	878	1030	878	1030	878	1030	878
47 Public Entities	45	43	48	47	43	43	43	43	43	43
48 Investor-Owned Entities	3929	3805	3963	3922	3858	3871	3901	3826	3894	3970
49 Other Entities	1204	1204	1180	1180	1204	1204	1204	1204	1180	1180
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6208	5929	6221	6028	6134	5995	6178	5950	6147	6071

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-11  
Restoration  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

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

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-12  
Canadian Entitlement Return for CSPE  
Annual OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-13  
Columbia Storage Power Exchange Purchase (CSPE)  
Annual OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-14  
Supplemental & Entitlement Capacity  
Annual OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-15  
Canadian Entitlement Return for Canada  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-BPA Canada-</i>										
1 BPA: Regional Totals	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	1.1	1.1	1	1	1.0	1.0	1.0	0.9
3 COPD to BPA	0.4	0.4	0.7	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
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	17	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	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
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 MTRF 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	0.1	0.1	0.1	0.1	0	0	0	0
17 PGE to BPA	2.1	2.1	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.2
18 PPL to BPA	2.1	2.1	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.2
19 PSE to BPA	1.2	1.2	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.2
20 RREC to BPA	0	0	0	0	0	0	0	0	0	0
21 SCL to BPA	0.2	0.2	1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.2
22 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
23 TPU to BPA	1.1	1.2	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2
24 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
25 UnknMKT to BPA	1.7	1.7	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.8
26 Priest Rapids: Regional Totals	28	29	30	30	30	30	29	29	29	28
<i>-Wanapum CER for Canada-</i>										
27 AVWP to BPA	2.2	2.2	1.4	1	1	1.0	1.0	0.9	0.9	0.9
28 COPD to BPA	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	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	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
31 FGRV to BPA	0.2	0.2	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
33 GCPD to BPA	9.9	10.0	14	17	17	17	17	17	16	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	0.1	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
38 LVE to BPA	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
39 MCMN to BPA	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
40 MTRF to BPA	0.2	0.2	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
42 PGE to BPA	5.1	5.1	3.2	2.3	2.3	2.2	2.2	2.1	2.1	2.1
43 PPL to BPA	5.1	5.1	3.2	2.3	2.3	2.2	2.2	2.1	2.1	2.1
44 PSE to BPA	2.9	2.9	1.9	1.4	1.3	1.3	1.3	1.2	1.2	1.2
45 RREC to BPA	0	0	0	0	0	0	0	0	0	0
46 SCL to BPA	0	0	1	1.3	1.2	1.2	1.2	1.1	1.1	1.1
47 SLEC to BPA	0	0	0	0	0	0	0	0	0	0
48 TPU to BPA	0	0	1.1	1.3	1.2	1.2	1.2	1.1	1.1	1.1
49 UNEC to BPA	0	0	0	0	0	0	0	0	0	0
50 UnknMKT to BPA	0	0	0.6	0.9	0.9	0.8	0.8	0.8	0.8	0.8
51 Wanapum: Regional Totals	27	27	28	29	29	28	28	28	27	27

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Rock Island P.H. #1 CER for Canada-</i>										
52 CHPD to BPA	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4	5.3	5.2
53 PSE to BPA	5.2	5.3	5.5	5.6	5.5	5.5	5.4	5.4	5.3	5.2
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>10</b>
<i>-Rock Island P.H. #2 CER for Canada-</i>										
55 CHPD to BPA	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4	3.4	3.4
56 PSE to BPA	3.3	3.4	3.5	3.6	3.5	3.5	3.5	3.4	3.4	3.4
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.7</b>	<b>6.7</b>	<b>7.1</b>	<b>7.2</b>	<b>7.1</b>	<b>7.0</b>	<b>6.9</b>	<b>6.8</b>	<b>6.8</b>	<b>6.7</b>
<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
59 CHPD to BPA	5.4	5.4	5.7	5.8	5.7	5.6	5.6	5.5	5.4	5.4
60 CLKM to BPA	8.2	8.3	8.6	8.8	8.7	8.6	8.5	8.4	8.3	8.2
61 DOPD to BPA	1.0	1.0	1	1	1	1	1.0	1.0	1.0	1.0
62 PGE to BPA	4.3	4.3	4.5	4.6	4.6	4.5	4.5	4.4	4.4	4.3
63 PPL to BPA	1.9	1.9	2.0	2	2.0	2.0	2.0	1.9	1.9	1.9
64 PSE to BPA	14	14	15	15	15	14	14	14	14	14
<b>65 Rocky Reach: Regional Totals</b>	<b>36</b>	<b>36</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>37</b>	<b>37</b>	<b>36</b>	<b>36</b>	<b>36</b>
<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
68 DOPD to BPA	6.6	6.6	6.9	7	7.0	6.9	6.8	6.7	6.7	6.6
69 OKPD to BPA	1.8	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
70 PGE to BPA	4.5	4.5	4.7	4.8	4.7	4.7	4.6	4.6	4.5	4.5
71 PPL to BPA	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
72 PSE to BPA	6.9	6.9	7.2	7.4	7.3	7.2	7.1	7	7.0	6.9
<b>73 Wells: Regional Totals</b>	<b>23</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>23</b>
<i>-Total CER For Canada-</i>										
74 Federal System	0	0	0	0	0	0	0	0	0	0
75 Public Entities	56	57	65	69	68	68	67	67	66	65
76 Investor-Owned Entities	65	65	63	61	60	59	58	57	57	56
77 Other Entities	9.9	10.0	10	11	10	10	10	10	10.0	9.9
78 Non-NW Entities	0	0	0	0	0	0	0	0	0	0
<b>79 Total CER For Canada</b>	<b>131</b>	<b>132</b>	<b>138</b>	<b>140</b>	<b>139</b>	<b>137</b>	<b>136</b>	<b>134</b>	<b>133</b>	<b>131</b>

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-16  
Intra-Regional Transfers  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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	19
3 BPA To AVWP WP3Set	42	42	42	42	42	42	42	42	42	42
4 BPA To CCPD PwrS	17	17	17	17	2.8	0	0	0	0	0
5 BPA To Other Entities	36	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
7 BPA To PPL S/Pwr/X	5.7	5.7	5.7	5.7	5.7	5.7	0	0	0	0
8 BPA To PPL CapS	186	186	186	186	15	0	0	0	0	0
9 BPA To PPL PwrS	94	94	94	94	94	94	94	94	94	94
10 BPA To PSE PwrS	0.8	0	0	0	0	0	0	0	0	0
11 BPA To PSE WP3Set	42	42	42	42	42	42	42	42	42	42
12 CCPD To Other Entities	17	17	17	17	2.8	0	0	0	0	0
13 CHPD To PGE S/N/X	6.6	6.7	6.7	3.6	0	0	0	0	0	0
14 CIDF To UPL PwrS	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
15 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0
16 ENW To BCPD PwrS	2	0.3	0	0	0	0	0	0	0	0
17 ENW To FCPD PwrS	2	0.3	0	0	0	0	0	0	0	0
18 EWEB To COPD PwrS	17	0	0	0	0	0	0	0	0	0
19 EWEB To PGE CapS	3	3	3	3	3	3	2.8	0	0	0
20 GCPD To AVWP PwrS	22	22	22	22	3.2	0	0	0	0	0
21 GCPD To EWEB PwrS	6.2	6.2	6.2	6.2	0.9	0	0	0	0	0
22 GCPD To FGRV PwrS	1.9	2	1.6	1.4	0.3	0	0	0	0	0
23 GCPD To FREC PwrS	0.7	0.7	0.7	0.7	0.2	0	0	0	0	0
24 GCPD To KITT PwrS	1.2	1.2	0.8	0.6	0.1	0	0	0	0	0
25 GCPD To KOOT PwrS	1	1	1	1	0.2	0	0	0	0	0
26 GCPD To LVE PwrS	1	1	1	1	0.2	0	0	0	0	0
27 GCPD To LVE PwrS	1	0.2	0	0	0	0	0	0	0	0
28 GCPD To MCMN PwrS	1.9	2	1.6	1.4	0.3	0	0	0	0	0
29 GCPD To MTRF PwrS	1.9	2	1.6	1.4	0.3	0	0	0	0	0
30 GCPD To PGE PwrS	50	50	50	50	7.3	0	0	0	0	0
31 GCPD To PPL PwrS	50	50	50	50	7.3	0	0	0	0	0
32 GCPD To PPL PwrS	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
33 GCPD To PSE PwrS	29	29	29	29	4.2	0	0	0	0	0
34 GCPD To TPU PwrS	23	23	15	12	1.8	0	0	0	0	0
35 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5
36 NWCP To PSE PwrS	4.1	4.1	4.1	4.1	3.7	1.4	0	0	0	0
37 NWE To MVP PwrS	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
38 NWE To PSE PwrS	71	71	71	30	0	0	0	0	0	0
39 Other Entities To AVWP	100	100	100	42	0	0	0	0	0	0
40 Other Entities To BPA	43	0	0	0	0	0	0	0	0	0
41 Other Entities To DOPD	20	22	24	27	16	18	20	22	25	28
42 Other Entities To PGE	362	362	356	325	154	150	150	150	150	83
43 Other Entities To SHPD	25	25	0	0	0	0	0	0	0	0
44 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	19
45 PGE To CHPD S/N/X	8	8	8	6.3	0	0	0	0	0	0
46 PGE To EWEB PkRepl	3	3	3	3	3	3	2.5	0	0	0
47 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
48 PPL To BPA PwrS	10	8.7	0	0	0	0	0	0	0	0
49 PPL To BPA S/Pwr/X	5.7	5.7	5.7	5.7	5.7	5.7	5.7	0	0	0
50 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0
51 PPL To BPA PkRepl	186	186	186	186	15	0	0	0	0	0
52 PPL To CLKM PwrS	61	61	61	56	0	0	0	0	0	0
53 PPL To SCL RenStg	55	55	55	55	32	0	0	0	0	0
54 PSE To BPA WP3Set	42	42	42	42	42	42	42	42	42	42
55 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43
56 SCL To PPL RenStg	58	58	58	58	23	0	0	0	0	0
57 SHPD To PSE PwrS	8	8	4.7	0	0	0	0	0	0	0

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
58 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104
59 TAUC To AVWP PwrS	181	181	177	174	181	181	181	181	177	188
<b>60 Total Intra-Regional Transfers</b>	<b>2215</b>	<b>2116</b>	<b>2060</b>	<b>1911</b>	<b>1019</b>	<b>898</b>	<b>892</b>	<b>883</b>	<b>882</b>	<b>777</b>
<i>-Total Contracts Out-</i>										
61 Federal System	424	387	387	387	202	184	178	178	178	178
62 Public Entities	380	352	337	326	122	68	66	64	64	64
63 Investor-Owned Entities	844	844	831	780	501	454	453	445	441	334
64 Other Entities	535	533	504	417	194	192	194	196	199	202
<b>65 Total Contracts Out</b>	<b>2184</b>	<b>2116</b>	<b>2060</b>	<b>1911</b>	<b>1019</b>	<b>898</b>	<b>892</b>	<b>883</b>	<b>882</b>	<b>777</b>
<i>-Total Contracts In-</i>										
66 Federal System	339	295	286	286	115	100	100	94	94	94
67 Public Entities	237	218	184	182	106	69	71	71	73	76
68 Investor-Owned Entities	1526	1526	1512	1370	796	729	722	719	715	607
69 Other Entities	82	78	78	73	2.8	0	0	0	0	0
<b>70 Total Contracts In</b>	<b>2184</b>	<b>2116</b>	<b>2060</b>	<b>1911</b>	<b>1019</b>	<b>898</b>	<b>892</b>	<b>883</b>	<b>882</b>	<b>777</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-17  
Capacity Reserves  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-18  
Wells & Chelan Allocation  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Wells-</i>										
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
<i>-Wells-</i>										
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
<i>-Chelan-</i>										
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
<i>-Chelan-</i>										
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 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Wanapum-</i>										
1 Wanapum	391	391	390	390	390	390	391	391	391	391
<b>2 Wanapum Before Enc</b>	<b>391</b>	<b>391</b>	<b>390</b>	<b>390</b>	<b>390</b>	<b>390</b>	<b>391</b>	<b>391</b>	<b>391</b>	<b>391</b>
<i>-Wanapum-</i>										
3 AVWP Share	26	26	16	11	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	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
6 EWEB Share	7.3	7.3	4.6	3.2	3.1	3.1	3	3.0	3.0	3.0
7 FGRV Share	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8 FREC Share	0	0	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
9 GCPD Share	117	117	154	184	186	187	189	190	191	191
10 ICLP Share	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
11 KITT Share	0	0	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
12 KOOT Share	0	0	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
13 LREC Share	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
14 LVE Share	0	0	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
15 MCMN Share	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
16 MTFR Share	2.2	2.2	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
17 NLEC Share	0	0	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
18 PGE Share	60	60	37	26	25	25	25	24	24	24
19 PPL Share	60	60	37	26	25	25	25	24	24	24
20 PSE Share	34	34	22	15	15	14	14	14	14	14
21 RREC Share	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
22 SCL Share	0	0	12	14	14	14	13	13	13	13
23 SLEC Share	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
24 TPU Share	0	0	12	14	14	14	13	13	13	13
25 UNEC Share	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26 UnknMKT Share	0	0	7.2	9.6	9.6	9.6	9.6	9.6	9.6	9.6
<b>27 Wanapum After Enc</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>	<b>319</b>
<i>-Priest Rapids-</i>										
28 Priest Rapids	385	385	385	385	385	385	385	385	385	385
<b>29 Priest Rapids Before Enc</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>	<b>385</b>
<i>-Priest Rapids-</i>										
30 AVWP Share	12	12	14	13	13	13	13	12	12	12
31 COPD Share	5.6	5.6	8.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9
32 CWPC Share	0.4	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	4	3.7	3.6	3.6	3.5	3.5	3.4	3.4
34 FGRV Share	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
35 FREC Share	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36 GCPD Share	229	229	202	213	215	216	218	220	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	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.5
39 KOOT Share	0.7	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	0.9	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	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
43 MTFR Share	1.3	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
44 NLEC Share	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
45 PGE Share	28	28	33	30	29	29	29	28	28	28
46 PPL Share	28	28	33	30	29	29	29	28	28	28
47 PSE Share	16	16	19	17	17	17	17	16	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	14	16	16	16	15	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	18	16	16	16	16	15	15	15
52 UNEC Share	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
53 UnknMKT Share	22	22	14	11	11	11	11	11	11	11
<b>54 Priest Rapids After Enc</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>	<b>369</b>

Table A-21  
Swift #1 and Swift #2 Allocation  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 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 Sale Contracts  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Federal Entities-</i>										
1 BPA To Federal Entities	130	140	143	144	146	147	148	149	151	152
<b>2 Total Federal Entities</b>	<b>130</b>	<b>140</b>	<b>143</b>	<b>144</b>	<b>146</b>	<b>147</b>	<b>148</b>	<b>149</b>	<b>151</b>	<b>152</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>
<i>-Direct Service Industry-</i>										
5 BPA To Direct Service Industry	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Generating Public Entities-</i>										
7 BPA To Generating Public Entities	2360	2376	2390	2398	2371	2380	2410	2444	2475	2515
<b>8 Total Generating Public Entities</b>	<b>2360</b>	<b>2376</b>	<b>2390</b>	<b>2398</b>	<b>2371</b>	<b>2380</b>	<b>2410</b>	<b>2444</b>	<b>2475</b>	<b>2515</b>
<i>-Generating Public Entities (Slice)-</i>										
9 BPA To Generating Public Entities (Slice)	1018	1010	1027	1015	1037	1019	1041	1022	1044	1025
<b>10 Total Generating Public Entities (Slice)</b>	<b>1018</b>	<b>1010</b>	<b>1027</b>	<b>1015</b>	<b>1037</b>	<b>1019</b>	<b>1041</b>	<b>1022</b>	<b>1044</b>	<b>1025</b>
<i>-Non-Generating Public Entities-</i>										
11 BPA To Non-Generating Public Entities	3122	3205	3266	3315	3363	3407	3455	3503	3549	3592
<b>12 Total Non-Generating Public Entities</b>	<b>3122</b>	<b>3205</b>	<b>3266</b>	<b>3315</b>	<b>3363</b>	<b>3407</b>	<b>3455</b>	<b>3503</b>	<b>3549</b>	<b>3592</b>
<i>-Non-Generating Public Entities (Slice)-</i>										
13 BPA To Non-Generating Public Ent. (Slice)	612	606	616	609	622	612	625	614	627	615
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>612</b>	<b>606</b>	<b>616</b>	<b>609</b>	<b>622</b>	<b>612</b>	<b>625</b>	<b>614</b>	<b>627</b>	<b>615</b>
<i>-Investor-Owned Entities-</i>										
15 BPA To Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Other Entities-</i>										
17 BPA To Other PNW Entities	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Power Sales Contracts-</i>										
19 Federal Entities	130	140	143	144	146	147	148	149	151	152
20 U.S. Bureau of Reclamation	160	160	160	160	160	160	160	160	160	160
21 Direct Service Industry	0	0	0	0	0	0	0	0	0	0
22 Generating Public Entities	3378	3385	3416	3412	3408	3399	3451	3466	3519	3540
23 Non-Generating Public Entities	3733	3811	3882	3924	3986	4019	4080	4117	4176	4208
24 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0
25 Other Entities	0	0	0	0	0	0	0	0	0	0
<b>26 Total Power Sales Contracts</b>	<b>7402</b>	<b>7497</b>	<b>7602</b>	<b>7642</b>	<b>7700</b>	<b>7725</b>	<b>7839</b>	<b>7892</b>	<b>8006</b>	<b>8060</b>



Table A-23  
Non-Utility Generating Resources by Owner  
Annual OY 2008 – 2017  
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  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Federal Entities-</i>										
1 BPA - Power Business	77	78	98	104	104	104	104	104	104	104
2 Mission Valley	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>3 Total Federal Entities</b>	<b>78</b>	<b>78</b>	<b>98</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>	<b>104</b>
<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
6 Cowlitz County PUD #1	22	36	36	36	36	36	36	36	36	36
7 Douglas County PUD #1	3	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
8 Eugene Water & Electric Board	13	13	13	13	13	13	13	13	13	13
9 Grant County PUD #2	10	10	10	10	10	10	10	10	10	10
10 Grays Harbor PUD #1	3.7	6.3	6.3	6.3	6.2	6.3	6.3	6.3	6.2	6.3
11 M-S-R	50	50	50	50	50	50	50	50	50	50
12 Okanogan County PUD #1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
13 Seattle City Light	85	85	85	85	85	85	85	85	85	85
14 Snohomish County PUD #1	34	34	34	34	34	34	34	34	34	34
15 Tacoma Public Utilities	25	25	25	25	25	25	25	25	25	25
<b>16 Total Generating Public Entities</b>	<b>255</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>	<b>271</b>
<i>-Non-Generating Public Entities-</i>										
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0
21 Fall River Elec Coop	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
22 Franklin County PUD #1	1.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
23 Klickitat County PUD #1	9	15	15	15	15	15	15	15	15	15
24 Lakeview L & P (WA)	3.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
25 Lewis County PUD #1	0.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
26 Mason County PUD #1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
27 Mason County PUD #3	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
28 Oregon Trail Coop	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
29 Tanner Elec Coop	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>18</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>31</b>
<i>-Investor-Owned Entities-</i>										
32 Avista Corp (WWP Division)	209	209	209	209	209	209	209	209	209	209
33 Idaho Power Company	131	133	133	133	133	133	133	133	133	133
34 Northwestern Energy LLC (MPC)	24	24	25	28	28	29	29	29	29	29
35 Pacific Power	76	79	79	79	79	79	79	79	79	79
36 Portland General Electric	53	53	53	53	53	53	53	53	53	53
37 Puget Sound Energy	424	426	426	426	426	426	426	426	426	426
38 Utah Power	29	29	29	29	29	29	29	29	29	29
<b>39 Total Investor-owned Entities</b>	<b>947</b>	<b>954</b>	<b>955</b>	<b>958</b>	<b>958</b>	<b>959</b>	<b>959</b>	<b>959</b>	<b>958</b>	<b>959</b>
<i>-Other Entities-</i>										
40 Boise Cascade Corporation	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<i>-Total Non-Utility Generating Resources-</i>										
44 Federal Entities	78	78	98	104	104	104	104	104	104	104
45 Public Entities	273	302	302	302	301	302	302	302	301	302
46 Investor-Owned Entities	947	954	955	958	958	959	959	959	958	959
47 Other Entities	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1309</b>	<b>1344</b>	<b>1366</b>	<b>1374</b>	<b>1374</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>

Table A-24  
Non-Utility Generating Resources by Project  
and Project Type  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-NUG: Hydro-</i>										
1 Albany	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2 Barber Dam	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
3 Barney Creek	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0	0	0	0	0	0	0	0
8 Birch Creek	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
9 Black Canyon #3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	2.9	3.1	3	2.9	2.8	2.8	3.0	3.1	2.9	3.0
11 Blind Canyon Hydro	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	1.7	1.7	1.8	1.9	2.0	2	2	2	2	2
16 Buffalo Hydro	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
17 Burr & Bouchard	0	0	0	0	0	0	0	0	0	0
18 Bypass	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	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	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
27 Crystal Springs	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
28 Curry Cattle Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
33 Dietrich Drop	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
37 Eagle Creek	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	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	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
40 Elwah Hydro	8.6	8.6	0.9	0	0	0	0	0	0	0
41 Estacada	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
43 Falls Creek	0	0	0	0	0	0	0	0	0	0
44 Falls River	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
45 Farmers Irrig.	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
46 Faulkner Ranch	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
47 Fisheries Development Co	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
48 Galesville Dam	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
49 Geobon 2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50 Georgetown Power	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
51 Glines Hydro	15	15	1.6	0	0	0	0	0	0	0
52 Hailey C spp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
53 Hazelton A	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
54 Hazelton B	3	3	3	3	3	3	3	3	3	3
55 Horseshoe Bend	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
56 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
57 Ingram Warm Springs	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Table A-24: Regional NUG Resources By Project And Project Type

PNW Loads and Resource Study

2008 - 2017 Operating Years

[43] 2007 White Book (Final)

3/31/2007

Continued

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
58 Jim Ford Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
59 Jim Knight	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
60 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
61 John Llewellyn	0	0	0	0	0	0	0	0	0	0
62 Kasel & Witherspoon	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
63 Kevin Duncan	0	0	0	0	0	0	0	0	0	0
64 Koma Kulshan	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65 Koyle	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
66 L. Fery	0	0	0	0	0	0	0	0	0	0
67 Lacombe Irrig.	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
68 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
69 Lateral #10	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0
73 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
74 Little Wood River Res.	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75 Littlewood/Arkoosh	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
76 Lowline #2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77 Lowline Canal	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
78 Lucky Peak	24	24	24	24	24	24	24	24	24	24
79 Magic Reservoir	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80 Main Canal Headworks	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
81 Malad River	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Marcos Ranches	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
83 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
84 Meyers Falls	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85 Middlefork Irrig.	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
86 Mile 28	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
88 Minikahda	0	0	0	0	0	0	0	0	0	0
89 Mink Creek	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90 Mitchell Butte	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
91 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92 Mountain Energy	0	0	0	0	0	0	0	0	0	0
93 Mt. Tabor	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	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
95 Mud Creek/White	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
96 Nichols Gap	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
97 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
99 O.J. Power	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek	0	0	0	0	0	0	0	0	0	0
101 Opal Springs	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
102 Orchard Avenue	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
103 Owyhee Dam	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
104 Pancheri	0	0	0	0	0	0	0	0	0	0
105 PEC Headworks	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
106 Phillips Ranch	0	0	0	0	0	0	0	0	0	0
107 Phillipsburg	0	0	0	0	0	0	0	0	0	0
108 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0
109 Pigeon Cove	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
110 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111 Portland	0	0	0	0	0	0	0	0	0	0
112 Portland Hydro Project	12	12	12	12	12	12	12	12	12	12
113 Portneuf River	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
114 Potholes E Canal 66.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
115 Preston City	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type

PNW Loads and Resource Study

2008 - 2017 Operating Years

[43] 2007 White Book (Final)

3/31/2007

Continued

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
117 Pristine Springs #3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Quincy Chute	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
119 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
122 Rock Creek #2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
123 Rocky Brook	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
124 Russel D. Smith	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
125 Sagebrush	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
126 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127 Salem	0	0	0	0	0	0	0	0	0	0
128 Schaffner	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
129 Sheep Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
130 Shingle Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132 Shoshone II	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133 Snake River Pottery	0	0	0	0	0	0	0	0	0	0
134 Snedigar Ranch	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
135 Solar Research	0	0	0	0	0	0	0	0	0	0
136 South Dry Creek	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137 Spokane Upriver	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
138 Stauffer Dry Creek	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
139 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Summer Falls	37	37	37	37	37	37	37	37	37	37
141 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Thomas Burnside	0	0	0	0	0	0	0	0	0	0
143 Tiber Dam Liberty Montana	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
144 Tieton	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
145 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146 Tunnel #1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147 Twin Falls	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
148 Walla Walla	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
149 Water Street / Santiam	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
150 Weeks Falls	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
151 White James	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
152 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153 Wilson Lake Hydro	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
154 Wisconsin Creek	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
155 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>156 Total NUG: Hydro</b>	<b>254</b>	<b>255</b>	<b>234</b>	<b>231</b>	<b>231</b>	<b>231</b>	<b>231</b>	<b>232</b>	<b>231</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>										
157 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158 Montana One	8.0	8	8.3	9.3	9.4	9.7	9.6	9.6	9.6	9.6
159 Pocatello Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
160 Spokane MSW	16	16	16	16	16	16	16	16	16	16
161 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>162 Total NUG: Small Thermal &amp; Misc.</b>	<b>24</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>										
163 Rathdrum- Boekel Rd. #1	66	66	66	66	66	66	66	66	66	66
164 Rathdrum -Boekel Rd. #2	66	66	66	66	66	66	66	66	66	66
165 Tenaska Gas Cogen	148	148	148	148	148	148	148	148	148	148
<b>166 Total NUG: Combustion Turbines</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>										
167 Billings Generation	14	14	14	16	16	17	17	17	17	17

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
168 Biomass One	19	19	19	19	19	19	19	19	19	19
169 Boise Cascade Medford	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
170 Champion	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
171 Cogen Co	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
172 DR Johnson - Co-Gen II	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
173 Everett Cogeneration Project	34	34	34	34	34	34	34	34	34	34
174 Evergreen Biopower Cogen	5.3	8	8	8	8	8	8	8	8	8
175 Haleywest L.L.C	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
176 Magic Valley	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
177 Magic West	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
178 March Point #1	77	77	77	77	77	77	77	77	77	77
179 March Point #2	38	38	38	38	38	38	38	38	38	38
180 Metro Westpoint	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
181 PERC Pierce, Wa	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
182 Pollatch Contract Renewal	53	53	53	53	53	53	53	53	53	53
183 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10
184 Sumas Compression Station	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
185 Sumas Energy	117	117	117	117	117	117	117	117	117	117
186 Tamarack	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
187 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Vaagen Bros.	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
190 Warm Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>191 Total NUG: Co-Generation</b>	<b>429</b>	<b>433</b>	<b>434</b>	<b>436</b>	<b>436</b>	<b>436</b>	<b>436</b>	<b>436</b>	<b>436</b>	<b>436</b>
<i>-NUG: Renewables-</i>										
192 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0
193 Big Horn	50	50	50	50	50	50	50	50	50	50
194 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Condon Wind Project	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
196 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
197 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3
198 Emmett Biomass Project	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
199 Euris Combine Hills	14	14	14	14	14	14	14	14	14	14
200 Foote Creek 1	15	15	15	15	15	15	15	15	15	15
201 Foote Creek 2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
202 Foote Creek 4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
203 Fossil Gulch Wind Project	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
204 Healow #2	0	0	0	0	0	0	0	0	0	0
205 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
206 Josef Staufer	0	0	0	0	0	0	0	0	0	0
207 Klondike 2	22	22	22	22	22	22	22	22	22	22
208 Klondike I	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
209 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0
210 Livingston	0	0	0	0	0	0	0	0	0	0
211 Nine Canyon Wind Project	23	30	30	30	30	30	30	30	30	30
212 Pine Products Corp	0	0	0	0	0	0	0	0	0	0
213 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2
214 Raft River Geothermal Phase One	11	13	13	13	13	13	13	13	13	13
215 Stateline Wind Project	73	73	73	73	73	73	73	73	73	73
216 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
217 Vansycle Wind	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
218 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0
219 White Creek	35	56	56	56	56	56	56	56	56	56
220 Windmill	0	0	0	0	0	0	0	0	0	0
221 Wolverine Creek	16	16	16	16	16	16	16	16	16	16
222 Fourmile Hill Geothermal	0	0	42	50	50	50	50	50	50	50
<b>223 Total NUG: Renewables</b>	<b>322</b>	<b>353</b>	<b>394</b>	<b>403</b>	<b>402</b>	<b>403</b>	<b>403</b>	<b>403</b>	<b>402</b>	<b>403</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Total Non-Utility Generating Resources-</i>										
224 Federal Entities	78	78	98	104	104	104	104	104	104	104
225 Public Entities	273	302	302	302	301	302	302	302	301	302
226 Investor-Owned Entities	947	954	955	958	958	959	959	959	958	959
227 Other Entities	11	11	11	11	11	11	11	11	11	11
<b>228 Total Non-Utility Generation</b>	<b>1309</b>	<b>1344</b>	<b>1366</b>	<b>1374</b>	<b>1374</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>	<b>1375</b>



Table A-26  
Dedicated Resources  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	2012	2044	2015	2019	2149	2180	2185	2188	2184	2188
<b>2 Total Generating Public Entities</b>	<b>2012</b>	<b>2044</b>	<b>2015</b>	<b>2019</b>	<b>2149</b>	<b>2180</b>	<b>2185</b>	<b>2188</b>	<b>2184</b>	<b>2188</b>
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	87	101	100	91	83	82	82	82	82	82
<b>4 Total Non-Generating Public Entities</b>	<b>87</b>	<b>101</b>	<b>100</b>	<b>91</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>82</b>
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	7408	7387	7399	7226	7110	7088	7057	7055	7082	7126
<b>6 Total Investor-owned Entities</b>	<b>7408</b>	<b>7387</b>	<b>7399</b>	<b>7226</b>	<b>7110</b>	<b>7088</b>	<b>7057</b>	<b>7055</b>	<b>7082</b>	<b>7126</b>
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	2012	2044	2015	2019	2149	2180	2185	2188	2184	2188
8 Small & Non Generating Entities	87	101	100	91	83	82	82	82	82	82
9 Investor-Owned Entities	7408	7387	7399	7226	7110	7088	7057	7055	7082	7126
<b>10 Regional Total Dedicated Resources</b>	<b>9507</b>	<b>9531</b>	<b>9514</b>	<b>9336</b>	<b>9342</b>	<b>9349</b>	<b>9324</b>	<b>9325</b>	<b>9348</b>	<b>9397</b>

Table A-27  
Other Dedicated Resources  
Annual OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2008 - 2017 Operating Years  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.	2014 Avg.	2015 Avg.	2016 Avg.	2017 Avg.
<i>-Generating Public Entities-</i>										
1 Generating Public Entities	2012	2044	2015	2019	2149	2180	2185	2188	2184	2188
<b>2 Total Generating Public Entities</b>	<b>2012</b>	<b>2044</b>	<b>2015</b>	<b>2019</b>	<b>2149</b>	<b>2180</b>	<b>2185</b>	<b>2188</b>	<b>2184</b>	<b>2188</b>
<i>-Non-Generating Public Entities-</i>										
3 Small & Non Generating Public Entities	87	101	100	91	83	82	82	82	82	82
<b>4 Total Non-Generating Public Entities</b>	<b>87</b>	<b>101</b>	<b>100</b>	<b>91</b>	<b>83</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>82</b>	<b>82</b>
<i>-Investor-Owned Entities-</i>										
5 Investor-Owned Entities	7408	7387	7399	7226	7110	7088	7057	7055	7082	7126
<b>6 Total Investor-owned Entities</b>	<b>7408</b>	<b>7387</b>	<b>7399</b>	<b>7226</b>	<b>7110</b>	<b>7088</b>	<b>7057</b>	<b>7055</b>	<b>7082</b>	<b>7126</b>
<i>-Total Dedicated Resources-</i>										
7 Generating Public Entities	2012	2044	2015	2019	2149	2180	2185	2188	2184	2188
8 Small & Non Generating Entities	87	101	100	91	83	82	82	82	82	82
9 Investor-Owned Entities	7408	7387	7399	7226	7110	7088	7057	7055	7082	7126
<b>10 Regional Total Dedicated Resources</b>	<b>9507</b>	<b>9531</b>	<b>9514</b>	<b>9336</b>	<b>9342</b>	<b>9349</b>	<b>9324</b>	<b>9325</b>	<b>9348</b>	<b>9397</b>

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

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Federal Tables  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	123	123	112	120	138	150	153	147	135	120	120	116	118	128	130
<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>	376	383	331	215	153	182	223	226	185	326	362	406	404	438	291
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3004	3004	2725	2823	3201	3555	3605	3454	3112	2931	2924	2895	3011	3151	3122
<i>GPU 2002 PSC</i>	2043	2044	2171	2128	2599	2852	2874	2805	2650	2232	2226	2005	1910	2048	2360
<i>NGP 2002 Slice PSC</i>	726	619	566	591	674	656	517	543	571	544	490	578	768	685	612
<i>GPU 2002 Slice PSC</i>	1208	1031	943	984	1122	1092	861	904	951	907	816	963	1280	1140	1018
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	670	671	664	636	631	644	641	639	628	642	634	662	662	660	648
<i>Regional Transfers (Out)</i>	318	319	355	383	686	699	622	559	411	379	379	184	244	243	424
<i>Federal Diversity</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Transfers Out</i>	7970	7688	7425	7544	8913	9498	9121	8904	8323	7635	7468	7287	7875	7928	8183
<i>Total Firm Obligations</i>	8345	8070	7756	7759	9066	9680	9344	9130	8508	7961	7831	7693	8279	8366	8474
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	7889	6617	5947	6159	7139	7021	5425	5734	5931	5643	4952	5857	8131	7428	6444
<i>Independent Hydro</i>	413	404	390	341	283	201	157	173	259	401	468	686	722	433	374
<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>	8434	7152	6468	6632	7554	7354	5714	6039	6322	6174	5550	6673	8983	7991	6949
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	346	347	479	403	449	385	334	315	300	295	295	177	296	169	329
<i>Large Thermal</i>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<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>	1602	1600	1748	1717	1851	1847	1767	1695	1677	1675	1624	1406	1520	1419	1658
<i>Total Resources</i>	10035	8752	8216	8349	9405	9201	7481	7734	7999	7849	7174	8079	10503	9410	8607
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-283	-247	-232	-235	-265	-259	-211	-218	-226	-221	-202	-228	-296	-265	-243
<i>Total Reserves, Maintenance &amp; Losses</i>	-283	-247	-232	-235	-265	-259	-211	-218	-226	-221	-202	-228	-296	-265	-243
<i>Total Net Resources</i>	9752	8505	7985	8114	9140	8942	7270	7516	7774	7628	6972	7852	10207	9145	8364
<i>Total Firm Surplus/Deficit</i>	1407	435	229	355	74	-738	-2074	-1614	-734	-333	-859	159	1928	779	-109



Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	129	129	117	131	151	163	166	160	146	130	130	126	128	138	140
<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>	382	388	336	225	165	195	237	239	197	336	372	416	414	448	301
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3085	3089	2800	2897	3287	3648	3698	3578	3191	3002	2994	2967	3083	3228	3205
<i>GPU 2002 PSC</i>	2093	2093	2235	2130	2604	2859	2882	2849	2662	2235	2229	2005	1910	2050	2376
<i>NGP 2002 Slice PSC</i>	734	627	568	593	677	659	520	546	573	553	499	543	701	687	606
<i>GPU 2002 Slice PSC</i>	1223	1044	946	988	1127	1097	865	910	955	921	831	905	1168	1143	1010
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	639	637	633	579	573	583	580	578	572	591	591	619	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>	7988	7705	7435	7494	8876	9467	9164	9025	8363	7680	7523	7223	7727	7966	8182
<i>Total Firm Obligations</i>	8369	8093	7771	7719	9041	9662	9400	9264	8560	8017	7895	7638	8141	8414	8483
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	7979	6694	5949	6176	7160	7040	5439	5760	5946	5720	5036	5941	8326	7692	6512
<i>Independent Hydro</i>	413	404	390	341	283	201	157	173	259	401	468	686	722	433	374
<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>	8523	7228	6469	6647	7573	7371	5726	6063	6335	6258	5641	6764	9185	8261	7018
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
<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>	1424	1425	1588	1624	1759	1750	1745	1682	1656	1654	1624	874	485	1143	1447
<i>Total Resources</i>	9947	8652	8057	8271	9332	9122	7471	7745	7991	7912	7265	7638	9670	9404	8466
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-280	-244	-227	-233	-263	-257	-211	-218	-225	-223	-205	-215	-273	-265	-239
<i>Total Reserves, Maintenance &amp; Losses</i>	-280	-244	-227	-233	-263	-257	-211	-218	-225	-223	-205	-215	-273	-265	-239
<i>Total Net Resources</i>	9666	8408	7830	8038	9069	8864	7261	7527	7766	7689	7060	7423	9397	9139	8227
<i>Total Firm Surplus/Deficit</i>	1297	315	59	318	28	-798	-2139	-1737	-794	-328	-835	-216	1256	725	-256

**Loads and Resources - Federal System**  
**PNW Loads and Resource Study**  
**2009 - 2010 Operating Year**  
**1937 Water Year**  
**[43] 2007 White Book (Final)**

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	140	140	127	132	152	165	168	161	148	132	131	127	129	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	226	166	196	238	240	198	337	374	417	415	450	304
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3159	3163	2869	2949	3348	3715	3766	3643	3249	3056	3048	3018	3137	3285	3266
<i>GPU 2002 PSC</i>	2094	2094	2236	2143	2622	2879	2902	2869	2678	2251	2244	2018	1923	2063	2390
<i>NGP 2002 Slice PSC</i>	745	637	561	590	674	656	516	543	570	549	496	584	783	705	616
<i>GPU 2002 Slice PSC</i>	1240	1060	935	983	1122	1092	860	905	950	915	825	972	1305	1175	1027
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	713	713	710	676	671	680	677	676	670	690	690	718	712	705	692
<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>	8165	7882	7565	7650	9046	9644	9341	9200	8529	7840	7682	7494	8104	8177	8378
<i>Total Firm Obligations</i>	8557	8281	7911	7876	9212	9840	9579	9441	8727	8177	8056	7911	8519	8627	8681
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8199	6905	5965	6184	7170	7049	5446	5770	5953	5727	5043	5948	8337	7702	6538
<i>Independent Hydro</i>	413	404	390	341	283	201	157	173	259	401	468	686	722	433	374
<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>	8749	7446	6491	6661	7590	7387	5740	6080	6349	6269	5652	6775	9200	8276	7050
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<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>	1414	1415	1578	1653	1775	1763	1760	1699	1672	1652	1622	1407	1529	1436	1610
<i>Total Resources</i>	10163	8860	8069	8314	9365	9150	7499	7778	8021	7921	7274	8182	10729	9712	8661
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-287	-250	-228	-234	-264	-258	-211	-219	-226	-223	-205	-231	-303	-274	-244
<i>Total Reserves, Maintenance &amp; Losses</i>	-287	-250	-228	-234	-264	-258	-211	-219	-226	-223	-205	-231	-303	-274	-244
<i>Total Net Resources</i>	9876	8611	7842	8080	9101	8892	7288	7559	7795	7697	7069	7951	10427	9438	8416
<i>Total Firm Surplus/Deficit</i>	1319	330	-69	204	-111	-948	-2291	-1882	-932	-480	-987	40	1907	811	-265

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	141	141	128	133	153	166	169	163	149	133	132	128	130	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	347	227	167	198	239	242	199	338	375	418	416	451	305
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3220	3214	2920	2992	3397	3771	3821	3696	3297	3099	3092	3061	3181	3333	3315
<i>GPU 2002 PSC</i>	2107	2113	2250	2147	2630	2889	2912	2880	2685	2257	2251	2022	1926	2067	2398
<i>NGP 2002 Slice PSC</i>	754	645	570	595	679	661	521	548	575	554	500	539	703	694	609
<i>GPU 2002 Slice PSC</i>	1255	1074	949	991	1131	1101	868	913	958	922	832	897	1171	1156	1015
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	663	664	660	636	635	645	642	641	633	652	651	678	679	672	653
<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>	8212	7924	7601	7669	9081	9688	9384	9242	8559	7863	7705	7380	7904	8166	8377
<i>Total Firm Obligations</i>	8605	8325	7948	7897	9248	9885	9623	9483	8758	8201	8080	7798	8320	8617	8682
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8211	6916	5971	6199	7190	7067	5459	5785	5966	5741	5056	5960	8357	7723	6553
<i>Independent Hydro</i>	413	404	390	341	283	201	157	173	259	401	468	686	722	433	374
<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>	8765	7460	6502	6681	7614	7409	5757	6099	6367	6281	5664	6785	9219	8295	7068
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	432	0	831	878
<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>	1435	1434	1615	1640	1764	1752	1749	1689	1662	1642	1617	803	499	1236	1456
<i>Total Resources</i>	10201	8894	8117	8321	9377	9161	7506	7787	8029	7922	7280	7588	9718	9531	8524
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-288	-251	-229	-235	-264	-258	-212	-220	-226	-223	-205	-214	-274	-269	-240
<i>Total Reserves, Maintenance &amp; Losses</i>	-288	-251	-229	-235	-264	-258	-212	-220	-226	-223	-205	-214	-274	-269	-240
<i>Total Net Resources</i>	9913	8643	7888	8086	9113	8903	7294	7568	7803	7699	7075	7374	9444	9262	8283
<i>Total Firm Surplus/Deficit</i>	1308	319	-60	189	-135	-982	-2329	-1916	-956	-502	-1005	-424	1124	646	-399

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	142	142	129	134	155	168	171	163	150	134	133	129	131	142	146
<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	348	229	169	199	241	242	201	339	376	419	417	452	306
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3255	3254	2957	3041	3453	3832	3883	3717	3351	3150	3142	3108	3230	3385	3363
<i>GPU 2002 PSC</i>	2111	2111	2254	2100	2575	2819	2858	2791	2612	2205	2198	1976	2127	2033	2371
<i>NGP 2002 Slice PSC</i>	756	648	571	595	680	662	521	549	575	554	500	588	789	711	622
<i>GPU 2002 Slice PSC</i>	1259	1078	952	991	1132	1102	868	914	958	923	833	979	1314	1184	1037
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	661	661	656	578	570	571	570	570	569	598	598	626	626	614	601
<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>	8256	7967	7449	7413	8773	9402	9092	8887	8283	7619	7460	7277	8138	7994	8197
<i>Total Firm Obligations</i>	8651	8368	7797	7641	8942	9601	9333	9129	8483	7959	7836	7696	8555	8447	8503
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8235	6935	5985	6212	7207	7084	5471	5797	5979	5753	5068	5971	8376	7741	6568
<i>Independent Hydro</i>	413	404	390	321	265	186	139	156	244	384	451	665	701	412	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>	139	139	139	139	139	139	139	139	139	138	138	138	138	138	139
<i>Total Hydro Resources</i>	8788	7478	6513	6673	7611	7409	5750	6092	6362	6274	5657	6774	9215	8291	7066
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<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>	1435	1435	1420	1457	1534	1564	1537	1489	1485	1472	1444	1234	1355	1277	1437
<i>Total Resources</i>	10223	8914	7934	8130	9145	8973	7287	7581	7847	7746	7101	8008	10570	9567	8503
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-288	-251	-224	-229	-258	-253	-205	-214	-221	-218	-200	-226	-298	-270	-240
<i>Total Reserves, Maintenance &amp; Losses</i>	-288	-251	-224	-229	-258	-253	-205	-214	-221	-218	-200	-226	-298	-270	-240
<i>Total Net Resources</i>	9935	8662	7710	7901	8888	8720	7081	7367	7626	7528	6900	7782	10272	9298	8263
<i>Total Firm Surplus/Deficit</i>	1284	294	-87	259	-54	-881	-2252	-1761	-857	-431	-935	86	1717	851	-240

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	144	144	130	135	155	168	172	166	151	135	135	130	132	144	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>	396	403	349	229	169	199	242	245	202	341	377	420	418	454	307
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3310	3309	3009	3059	3475	3855	3936	3809	3396	3193	3184	3149	3275	3426	3407
<i>GPU 2002 PSC</i>	2075	2075	2227	2106	2586	2831	2876	2872	2622	2216	2209	1983	2133	2042	2380
<i>NGP 2002 Slice PSC</i>	757	648	572	597	682	664	523	551	577	556	502	532	706	705	612
<i>GPU 2002 Slice PSC</i>	1261	1080	952	995	1136	1105	871	917	962	926	836	886	1176	1174	1019
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	602	602	599	567	558	559	558	558	557	586	586	614	614	603	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>	8018	7727	7401	7431	8800	9432	9156	9054	8331	7665	7507	7164	7956	8016	8183
<i>Total Firm Obligations</i>	8414	8130	7750	7660	8969	9631	9398	9298	8533	8005	7883	7584	8375	8470	8490
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8257	6953	5996	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6583
<i>Independent Hydro</i>	394	385	370	321	265	186	139	156	244	384	451	665	701	412	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>	8789	7475	6504	6685	7627	7423	5760	6103	6373	6285	5668	6784	9232	8307	7076
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
<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>	1251	1251	1419	1458	1534	1565	1536	1489	1486	1469	1444	536	325	1177	1270
<i>Total Resources</i>	10040	8726	7923	8143	9161	8988	7296	7592	7859	7754	7112	7320	9557	9485	8345
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-283	-246	-223	-230	-258	-253	-206	-214	-222	-219	-201	-206	-270	-267	-235
<i>Total Reserves, Maintenance &amp; Losses</i>	-283	-246	-223	-230	-258	-253	-206	-214	-222	-219	-201	-206	-270	-267	-235
<i>Total Net Resources</i>	9757	8480	7699	7913	8903	8735	7090	7378	7638	7536	6911	7113	9288	9217	8110
<i>Total Firm Surplus/Deficit</i>	1343	350	-51	253	-66	-896	-2308	-1920	-895	-470	-972	-471	913	747	-381

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	145	145	131	136	157	169	173	167	153	136	136	131	133	145	148
<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>	398	405	350	230	171	200	244	246	203	342	378	421	419	456	308
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3353	3352	3049	3103	3525	3911	3992	3863	3445	3238	3229	3192	3319	3471	3455
<i>GPU 2002 PSC</i>	2082	2082	2235	2137	2623	2871	2915	2906	2656	2249	2242	2012	2162	2071	2410
<i>NGP 2002 Slice PSC</i>	760	650	573	598	683	665	524	551	578	557	503	590	792	714	625
<i>GPU 2002 Slice PSC</i>	1265	1083	955	996	1137	1107	873	918	963	927	837	983	1319	1189	1041
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	592	591	589	557	548	549	548	548	547	576	576	604	604	593	571
<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>	8064	7772	7443	7498	8879	9519	9243	9133	8406	7735	7576	7381	8214	8072	8280
<i>Total Firm Obligations</i>	8462	8176	7793	7729	9049	9720	9487	9379	8609	8077	7954	7802	8633	8527	8589
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
<i>Independent Hydro</i>	394	385	370	321	265	186	139	156	244	384	451	665	701	412	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>	8809	7492	6514	6683	7626	7422	5759	6101	6372	6284	5666	6782	9230	8306	7077
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<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>	1251	1251	1420	1458	1534	1565	1536	1489	1486	1469	1444	1234	1355	1277	1422
<i>Total Resources</i>	10060	8742	7934	8141	9160	8987	7295	7591	7858	7753	7110	8016	10586	9583	8499
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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	-247	-224	-230	-258	-253	-206	-214	-222	-219	-201	-226	-299	-270	-240
<i>Total Reserves, Maintenance &amp; Losses</i>	-284	-247	-224	-230	-258	-253	-206	-214	-222	-219	-201	-226	-299	-270	-240
<i>Total Net Resources</i>	9777	8496	7710	7912	8902	8734	7089	7377	7636	7534	6910	7790	10287	9313	8259
<i>Total Firm Surplus/Deficit</i>	1315	320	-83	183	-148	-986	-2398	-2003	-972	-542	-1045	-12	1654	786	-330

**Loads and Resources - Federal System**  
**PNW Loads and Resource Study**  
**2014 - 2015 Operating Year**  
**1937 Water Year**  
**[43] 2007 White Book (Final)**

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	147	147	132	137	158	171	175	168	154	137	137	132	134	147	149
<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>	399	406	351	232	172	202	245	247	204	343	379	422	420	457	310
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3398	3402	3091	3146	3575	3967	4048	3919	3494	3282	3275	3238	3361	3518	3503
<i>GPU 2002 PSC</i>	2112	2112	2267	2169	2657	2912	2956	2951	2691	2282	2276	2040	2193	2103	2444
<i>NGP 2002 Slice PSC</i>	761	651	574	599	684	665	525	552	579	557	504	547	708	693	614
<i>GPU 2002 Slice PSC</i>	1267	1085	956	997	1139	1108	874	919	964	928	838	911	1179	1154	1022
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	580	578	578	545	536	537	536	536	535	564	564	589	590	576	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>	8130	7842	7509	7564	8953	9607	9331	9224	8479	7804	7645	7326	8049	8077	8319
<i>Total Firm Obligations</i>	8529	8248	7860	7796	9126	9809	9576	9471	8684	8146	8024	7748	8469	8534	8629
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
<i>Independent Hydro</i>	394	385	370	321	265	186	139	156	244	384	451	665	701	412	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>	8808	7490	6513	6682	7624	7420	5757	6100	6370	6282	5665	6781	9229	8305	7075
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
<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>	1250	1251	1397	1435	1512	1564	1536	1489	1486	1469	1444	702	325	1007	1263
<i>Total Resources</i>	10058	8741	7910	8117	9137	8984	7293	7589	7857	7751	7109	7483	9554	9311	8339
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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	-246	-223	-229	-258	-253	-206	-214	-222	-219	-200	-211	-269	-263	-235
<i>Total Reserves, Maintenance &amp; Losses</i>	-284	-246	-223	-229	-258	-253	-206	-214	-222	-219	-200	-211	-269	-263	-235
<i>Total Net Resources</i>	9774	8494	7687	7888	8879	8731	7087	7375	7635	7533	6908	7272	9285	9049	8104
<i>Total Firm Surplus/Deficit</i>	1245	247	-173	92	-247	-1078	-2488	-2096	-1049	-614	-1116	-477	816	514	-525

Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	148	148	133	139	160	172	176	168	155	138	138	133	135	149	151
<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>	401	408	352	234	174	203	247	247	206	344	380	423	422	459	311
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3444	3448	3134	3192	3629	4026	4107	3928	3546	3330	3322	3284	3407	3569	3549
<i>GPU 2002 PSC</i>	2143	2144	2299	2202	2696	2954	2998	2925	2730	2319	2312	2073	2226	2135	2475
<i>NGP 2002 Slice PSC</i>	761	652	575	600	685	666	526	553	580	558	504	592	794	716	627
<i>GPU 2002 Slice PSC</i>	1268	1086	958	999	1140	1110	875	921	966	930	840	986	1322	1192	1044
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	562	562	562	532	524	525	524	524	523	552	552	551	551	553	540
<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>	8191	7905	7569	7633	9036	9698	9422	9197	8561	7878	7719	7486	8318	8199	8414
<i>Total Firm Obligations</i>	8592	8313	7922	7867	9210	9902	9669	9444	8767	8222	8099	7909	8739	8658	8725
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
<i>Independent Hydro</i>	394	385	370	321	265	186	139	156	244	384	451	665	701	412	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>	8807	7489	6511	6680	7623	7419	5756	6098	6369	6281	5663	6779	9227	8303	7074
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<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>	1245	1246	1389	1431	1508	1560	1533	1485	1483	1469	1444	1234	1355	1262	1412
<i>Total Resources</i>	10052	8735	7900	8111	9131	8979	7288	7583	7852	7750	7107	8013	10583	9565	8486
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-283	-246	-223	-229	-257	-253	-206	-214	-221	-219	-200	-226	-298	-270	-239
<i>Total Reserves, Maintenance &amp; Losses</i>	-283	-246	-223	-229	-257	-253	-206	-214	-221	-219	-200	-226	-298	-270	-239
<i>Total Net Resources</i>	9768	8489	7677	7882	8874	8726	7083	7369	7630	7531	6907	7787	10284	9295	8246
<i>Total Firm Surplus/Deficit</i>	1176	176	-244	15	-337	-1176	-2586	-2075	-1136	-691	-1193	-122	1545	637	-479



Loads and Resources - Federal System  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Non-Utility Obligations</b>															
<i>Fed. Agencies 2002 PSC</i>	150	150	134	141	162	173	178	171	156	139	139	134	136	151	152
<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>	403	410	353	235	176	205	248	250	207	345	381	424	423	461	313
<b>Transfers Out</b>															
<i>NGP 2002 PSC</i>	3492	3491	3178	3233	3675	4077	4146	4013	3579	3361	3353	3313	3439	3603	3592
<i>GPU 2002 PSC</i>	2179	2179	2333	2232	2734	2994	3039	3034	2764	2351	2344	2104	2256	2166	2515
<i>NGP 2002 Slice PSC</i>	763	653	576	601	686	667	527	554	581	559	505	541	710	703	615
<i>GPU 2002 Slice PSC</i>	1270	1088	959	1000	1142	1111	877	923	967	931	842	901	1182	1171	1025
<i>IOU 2002 PSC</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Exports</i>	538	538	537	507	507	508	508	507	507	535	535	537	537	532	522
<i>Regional Transfers (Out)</i>	13	13	42	108	363	418	391	347	217	188	190	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>	8253	7961	7625	7682	9107	9775	9488	9377	8614	7926	7769	7396	8143	8209	8448
<i>Total Firm Obligations</i>	8656	8371	7979	7917	9283	9980	9736	9628	8821	8271	8150	7820	8565	8669	8760
<b>Hydro Resources</b>															
<i>Regulated Hydro</i>	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
<i>Independent Hydro</i>	394	385	370	321	265	186	139	156	244	384	451	665	701	412	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>	8805	7487	6510	6679	7621	7417	5754	6097	6367	6279	5661	6777	9226	8301	7072
<b>Other Resources</b>															
<i>Small Thermal &amp; 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>	89	89	118	154	207	261	235	191	163	166	166	76	94	110	155
<i>Regional Transfers (In)</i>	0	0	112	112	112	112	112	112	112	112	112	0	112	0	84
<i>Large Thermal</i>	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
<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>	1236	1235	1378	1420	1479	1532	1504	1457	1455	1441	1441	603	325	1096	1244
<i>Total Resources</i>	10041	8723	7888	8099	9101	8950	7258	7554	7823	7720	7103	7380	9551	9397	8316
<b>Reserves &amp; Maintenance</b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-283	-246	-222	-228	-257	-252	-205	-213	-221	-218	-200	-208	-269	-265	-235
<i>Total Reserves, Maintenance &amp; Losses</i>	-283	-246	-222	-228	-257	-252	-205	-213	-221	-218	-200	-208	-269	-265	-235
<i>Total Net Resources</i>	9757	8477	7665	7870	8844	8697	7053	7341	7602	7502	6902	7172	9281	9132	8081
<i>Total Firm Surplus/Deficit</i>	1102	106	-313	-47	-439	-1283	-2682	-2287	-1219	-769	-1248	-648	716	462	-679

THIS PAGE INTENTIONALLY LEFT BLANK

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

THIS PAGE INTENTIONALLY LEFT BLANK

Loads & Resources Regional Tables  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	20796	20793	19550	19925	21913	23973	24439	23362	21748	20610	20598	20187	20514	21425	21536
<i>Exports</i>	1248	1249	1210	950	905	956	950	942	967	952	851	770	1005	1168	998
<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>	22044	22042	20760	20875	22818	24929	25389	24303	22715	21561	21449	20957	21519	22593	22534
<b><u>Non-Firm Regional Loads</u></b>															
<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>	22044	22042	20775	20875	22818	24929	25392	24326	22769	21595	21483	20957	21519	22593	22545
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	11844	10151	9564	10174	11765	12169	9699	9210	9764	10165	9052	9835	14001	11879	10722
<i>Independent Hydro</i>	1008	1004	984	956	905	974	765	779	958	1214	1283	1578	1605	1141	1075
<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>	12853	11155	10548	11131	12670	13143	10464	9989	10722	11379	10335	11413	15606	13020	11797
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3154	3155	3495	3461	3487	3498	3510	3489	3089	3188	3188	1901	2994	3457	3227
<i>Renewables</i>	218	219	219	248	260	284	261	266	474	386	386	411	413	411	321
<i>Cogeneration</i>	2263	2262	2264	2279	2290	2291	2304	2295	1657	2281	2285	1854	2265	2252	2191
<i>Imports</i>	1136	1108	993	1086	1372	1541	1415	1412	1161	1102	1069	1016	1090	1115	1201
<i>Large Thermal</i>	6418	6418	6418	6418	6315	6384	6418	6418	6418	6252	5683	4809	6093	6418	6208
<i>Non-Utility Generation</i>	1322	1319	1243	1185	1183	1177	1212	1179	1364	1320	1329	1410	1581	1526	1309
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14512	14481	14631	14677	14907	15175	15122	15060	14164	14529	13939	11400	14437	15180	14457
<i>Total Resources</i>	27364	25636	25180	25808	27578	28318	25586	25048	24886	25908	24274	22813	30043	28200	26254
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-771	-722	-710	-728	-778	-799	-722	-706	-702	-730	-684	-643	-847	-794	-740
<i>Total Reserves, Maintenance &amp; Losses</i>	-801	-747	-718	-737	-781	-799	-722	-706	-707	-738	-692	-663	-861	-843	-752
<i>Total Net Resources</i>	26564	24889	24461	25071	26796	27519	24864	24342	24179	25171	23582	22151	29182	27357	25502
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	4519	2848	3701	4196	3978	2591	-524	38	1464	3609	2133	1194	7662	4764	2968
<i>Total Surplus/Deficit</i>	4519	2848	3687	4196	3978	2591	-528	15	1410	3575	2100	1194	7662	4764	2957

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	21217	21214	19992	20304	22295	24450	24839	23838	22105	20921	20909	20461	20941	21914	21939
<i>Exports</i>	1193	1191	1143	893	845	894	888	882	910	901	808	727	964	1122	943
<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>	22410	22405	21135	21196	23139	25344	25727	24720	23015	21822	21717	21188	21905	23036	22882
<b><u>Non-Firm Regional Loads</u></b>															
<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>	22410	22405	21149	21196	23139	25344	25730	24743	23070	21856	21751	21188	21905	23036	22893
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	11935	10229	9567	10191	11786	12188	9713	9236	9779	10242	9136	9919	14196	12143	10791
<i>Independent Hydro</i>	1008	1004	984	956	897	966	757	770	949	1206	1275	1570	1597	1132	1069
<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>	12943	11232	10551	11147	12683	13153	10470	10006	10728	11448	10411	11489	15793	13275	11859
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3468	3468	3493	3403	3491	3502	3511	3477	3092	3040	3188	1988	2994	3448	3248
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	390	381	411	353
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2181	2285	2040	2265	2252	2204
<i>Imports</i>	946	1099	1051	974	1182	1354	1239	1192	976	916	905	858	926	1076	1063
<i>Large Thermal</i>	6418	6418	6418	6355	6418	6418	6418	6418	6284	5234	4889	3991	4868	6087	5929
<i>Non-Utility Generation</i>	1397	1398	1319	1259	1281	1242	1230	1197	1364	1321	1330	1410	1582	1526	1344
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14861	15015	14904	14604	14994	15090	14965	14846	13848	13077	12983	10677	13015	14801	14143
<i>Total Resources</i>	27805	26247	25455	25751	27677	28244	25434	24852	24576	24525	23394	22166	28808	28076	26002
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-783	-739	-718	-726	-780	-796	-717	-701	-693	-691	-660	-625	-812	-790	-733
<i>Total Reserves, Maintenance &amp; Losses</i>	-813	-764	-726	-735	-784	-796	-717	-701	-698	-699	-667	-645	-826	-840	-745
<i>Total Net Resources</i>	26991	25483	24729	25016	26892	27447	24717	24151	23878	23826	22727	21521	27982	27236	25257
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	4582	3079	3594	3820	3753	2103	-1010	-569	863	2004	1010	333	6077	4200	2375
<i>Total Surplus/Deficit</i>	4582	3079	3580	3820	3753	2103	-1013	-592	808	1970	976	333	6077	4200	2364

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	21556	21552	20305	20587	22631	24795	25187	24100	22420	21214	21201	20595	21202	22260	22237
<i>Exports</i>	1267	1267	1219	990	944	992	986	980	1009	1000	908	826	1056	1213	1036
<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>	22823	22819	21525	21578	23574	25787	26172	25080	23429	22214	22109	21421	22258	23473	23273
<b><u>Non-Firm Regional Loads</u></b>															
<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>	22823	22819	21539	21578	23574	25787	26176	25103	23483	22248	22143	21421	22258	23473	23284
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12155	10440	9582	10199	11796	12197	9720	9246	9786	10249	9143	9925	14207	12153	10817
<i>Independent Hydro</i>	1000	996	976	948	897	966	757	770	949	1206	1275	1570	1611	1146	1069
<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>	13154	11435	10558	11147	12693	13163	10476	10016	10735	11455	10418	11495	15818	13300	11886
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3472	3472	3505	3471	3490	3502	3511	3489	3092	3188	3188	1823	2994	3462	3250
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	421	402	411	357
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1916	2265	2252	2198
<i>Imports</i>	935	908	859	916	1189	1362	1247	1198	983	922	912	866	972	1033	1039
<i>Large Thermal</i>	6418	6418	6418	6418	6390	6315	6411	6418	6251	5296	5007	5624	6418	6418	6221
<i>Non-Utility Generation</i>	1397	1397	1317	1298	1308	1264	1254	1224	1393	1329	1338	1422	1615	1561	1366
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14854	14827	14723	14717	14999	15017	14989	14892	13850	13402	13116	12072	14666	15138	14430
<i>Total Resources</i>	28009	26263	25281	25863	27692	28180	25465	24908	24585	24857	23533	23567	30484	28438	26316
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-789	-740	-713	-729	-781	-795	-718	-702	-693	-701	-663	-664	-859	-801	-742
<i>Total Reserves, Maintenance &amp; Losses</i>	-819	-765	-721	-738	-785	-795	-718	-702	-698	-708	-671	-684	-874	-850	-754
<i>Total Net Resources</i>	27190	25498	24560	25125	26908	27385	24747	24205	23886	24149	22862	22883	29610	27588	25562
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	4367	2679	3035	3548	3333	1598	-1425	-875	458	1934	753	1461	7353	4115	2289
<i>Total Surplus/Deficit</i>	4367	2679	3020	3548	3333	1598	-1429	-898	403	1901	720	1461	7353	4115	2278



Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	21909	21905	20637	20809	23028	25075	25494	24370	22670	21440	21427	20840	21462	22528	22521
<i>Exports</i>	1216	1218	1169	948	909	957	950	945	972	961	869	786	1022	1177	997
<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>	23126	23123	21806	21757	23938	26031	26444	25314	23642	22401	22296	21626	22485	23705	23518
<b><u>Non-Firm Regional Loads</u></b>															
<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>	23126	23123	21820	21757	23938	26031	26448	25337	23697	22435	22330	21626	22485	23705	23529
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12167	10450	9589	10214	11815	12215	9733	9261	9799	10262	9156	9938	14228	12174	10832
<i>Independent Hydro</i>	1014	1010	990	958	908	960	749	762	940	1193	1264	1550	1580	1126	1064
<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>	13181	11459	10579	11172	12724	13175	10482	10023	10740	11456	10420	11487	15807	13300	11896
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3489	3490	3524	3479	3498	3509	3518	3497	3089	3195	3195	1812	3002	3466	3257
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	400	402	411	356
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	2040	2265	2252	2208
<i>Imports</i>	892	863	859	910	1185	1359	1054	1006	790	730	724	678	790	853	924
<i>Large Thermal</i>	6418	6418	6418	6358	6408	6418	6418	6418	6315	5792	4959	4736	4830	6219	6028
<i>Non-Utility Generation</i>	1426	1423	1361	1298	1315	1270	1260	1232	1400	1336	1345	1422	1608	1561	1374
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14858	14825	14786	14658	15028	15131	14817	14715	13726	13719	12893	11089	12897	14763	14147
<i>Total Resources</i>	28039	26285	25364	25831	27752	28306	25298	24739	24465	25175	23313	22577	28704	28063	26042
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-790	-741	-715	-728	-782	-798	-713	-698	-690	-710	-657	-636	-809	-790	-734
<i>Total Reserves, Maintenance &amp; Losses-820</i>	-765	-724	-737	-786	-798	-713	-698	-695	-717	-665	-656	-823	-839	-746	
<i>Total Net Resources</i>	27219	25519	24641	25093	26966	27508	24585	24041	23770	24458	22648	21921	27881	27224	25296
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	4094	2397	2835	3337	3028	1476	-1859	-1273	128	2056	352	295	5397	3519	1778
<i>Total Surplus/Deficit</i>	4094	2397	2820	3337	3028	1476	-1863	-1296	74	2023	318	295	5397	3519	1767

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	22191	22186	20880	21081	23330	25396	25820	24506	23004	21755	21741	21145	21745	22855	22808
<i>Exports</i>	1215	1216	1165	889	845	883	879	873	908	908	811	734	959	1108	943
<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>	23406	23402	22045	21970	24175	26278	26698	25378	23912	22663	22552	21879	22705	23963	23751
<b><u>Non-Firm Regional Loads</u></b>															
<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>	23406	23402	22059	21970	24175	26278	26702	25401	23967	22696	22586	21879	22705	23963	23762
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12191	10470	9602	10227	11833	12231	9745	9273	9812	10275	9168	9949	14246	12192	10847
<i>Independent Hydro</i>	1008	994	984	959	907	962	753	766	945	1202	1272	1569	1610	1146	1070
<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>	13199	11464	10586	11187	12740	13193	10498	10039	10757	11477	10440	11517	15856	13338	11917
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3500	3501	3543	3466	3507	3518	3526	3505	2912	2802	2907	1988	3011	3473	3234
<i>Renewables</i>	370	370	352	335	325	284	261	266	474	386	386	421	391	411	356
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1754	2265	2252	2184
<i>Imports</i>	710	682	677	728	1001	1177	1051	1002	796	739	731	686	799	863	851
<i>Large Thermal</i>	6418	6418	6418	6355	6404	6418	6418	6418	6284	5203	5164	4630	6241	6425	6134
<i>Non-Utility Generation</i>	1425	1424	1362	1298	1315	1270	1261	1227	1399	1336	1345	1422	1608	1561	1374
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14686	14657	14624	14461	14850	14958	14822	14713	13522	12746	12817	10901	14315	14986	14134
<i>Total Resources</i>	27885	26120	25210	25648	27590	28151	25320	24752	24279	24223	23257	22418	30171	28324	26050
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-786	-736	-711	-723	-778	-794	-714	-698	-685	-683	-656	-632	-850	-797	-734
<i>Total Reserves, Maintenance &amp; Losses-816</i>	-760	-719	-732	-782	-794	-714	-698	-690	-690	-663	-652	-865	-847	-746	
<i>Total Net Resources</i>	27070	25360	24491	24916	26808	27357	24606	24054	23589	23533	22594	21767	29306	27477	25304
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	3664	1958	2446	2946	2633	1079	-2093	-1324	-323	870	42	-112	6601	3514	1553
<i>Total Surplus/Deficit</i>	3664	1958	2431	2946	2633	1079	-2096	-1347	-377	836	7.9	-112	6601	3514	1542

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	22523	22518	21166	21317	23549	25655	26104	25094	23242	21973	21958	21352	21966	23097	23086
<i>Exports</i>	1146	1146	1095	860	813	851	847	842	876	876	784	703	927	1080	906
<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>	23668	23664	22261	22178	24361	26505	26951	25936	24118	22849	22742	22055	22893	24177	23991
<b><u>Non-Firm Regional Loads</u></b>															
<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>	23668	23664	22275	22178	24361	26505	26954	25959	24173	22883	22776	22055	22893	24177	24002
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12213	10488	9614	10241	11850	12247	9757	9285	9824	10287	9180	9960	14265	12211	10861
<i>Independent Hydro</i>	1014	1010	989	959	907	962	753	766	945	1202	1272	1569	1610	1146	1071
<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>	13227	11497	10603	11200	12758	13209	10510	10051	10769	11489	10452	11528	15874	13357	11933
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3492	3492	3535	3493	3512	3523	3531	3510	2916	2806	2912	1988	3015	3479	3238
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	411	391	411	356
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200
<i>Imports</i>	718	689	683	736	998	1176	1057	1010	805	742	738	694	808	872	857
<i>Large Thermal</i>	6425	6425	6425	6425	6374	6315	6350	6425	6193	5160	4535	4433	5399	6329	5995
<i>Non-Utility Generation</i>	1426	1425	1363	1299	1315	1272	1261	1232	1399	1336	1345	1421	1616	1562	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14693	14663	14628	14566	14821	14860	14767	14740	13444	12711	12201	10887	13494	14905	14020
<i>Total Resources</i>	27920	26160	25232	25766	27578	28069	25276	24791	24214	24200	22653	22415	29368	28262	25953
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-786	-737	-711	-726	-778	-792	-713	-699	-683	-682	-639	-632	-828	-796	-732
<i>Total Reserves, Maintenance &amp; Losses</i>	-816	-762	-720	-735	-781	-792	-713	-699	-688	-690	-646	-652	-842	-845	-744
<i>Total Net Resources</i>	27103	25398	24512	25031	26797	27278	24564	24092	23526	23510	22007	21763	28526	27417	25209
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	3435	1734	2251	2853	2436	773	-2387	-1845	-593	661	-735	-291	5633	3241	1218
<i>Total Surplus/Deficit</i>	3435	1734	2237	2853	2436	773	-2391	-1868	-647	627	-769	-291	5633	3241	1207

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	22763	22758	21385	21564	23824	25963	26430	25363	23534	22247	22232	21613	22243	23393	23359
<i>Exports</i>	1116	1115	1066	850	803	841	837	832	866	866	774	692	917	1070	892
<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>	23878	23873	22450	22415	24627	26804	27267	26195	24400	23113	23006	22305	23160	24462	24252
<b><u>Non-Firm Regional Loads</u></b>															
<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>	23878	23873	22465	22415	24627	26804	27271	26218	24455	23147	23039	22305	23160	24462	24262
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12235	10505	9626	10241	11850	12247	9757	9285	9824	10287	9180	9960	14265	12211	10864
<i>Independent Hydro</i>	1014	1010	989	959	907	962	756	768	947	1205	1275	1572	1612	1149	1073
<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>	13249	11515	10615	11200	12758	13209	10513	10053	10771	11492	10455	11531	15877	13359	11937
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3505	3505	3552	3504	3522	3534	3542	3521	2927	2817	2922	1901	3026	3488	3241
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	400	423	411	358
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1816	2265	2252	2189
<i>Imports</i>	725	696	690	743	1005	1184	1065	1018	813	750	744	701	816	881	864
<i>Large Thermal</i>	6429	6429	6429	6429	6429	6393	6396	6429	6387	5438	5589	4780	6086	6429	6178
<i>Non-Utility Generation</i>	1426	1425	1363	1300	1316	1272	1262	1232	1401	1336	1346	1422	1609	1561	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14718	14687	14657	14589	14895	14957	14832	14764	13659	13007	13272	11021	14225	15024	14205
<i>Total Resources</i>	27966	26202	25272	25789	27653	28166	25345	24817	24430	24499	23727	22552	30102	28383	26142
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-788	-738	-712	-727	-780	-794	-715	-700	-689	-691	-669	-635	-848	-799	-737
<i>Total Reserves, Maintenance &amp; Losses-818</i>	-763	-721	-736	-784	-794	-715	-700	-694	-698	-676	-655	-863	-848	-749	
<i>Total Net Resources</i>	27148	25439	24551	25053	26870	27372	24630	24117	23736	23801	23050	21897	29239	27535	25393
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	3270	1566	2101	2638	2243	568	-2637	-2078	-664	688	45	-408	6079	3073	1142
<i>Total Surplus/Deficit</i>	3270	1566	2087	2638	2243	568	-2640	-2101	-719	654	11	-408	6079	3073	1131

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	23056	23051	21659	21837	24129	26303	26788	25663	23851	22541	22526	21897	22543	23718	23665
<i>Exports</i>	1103	1102	1057	838	788	829	725	720	754	754	746	677	903	995	845
<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>	24159	24153	22716	22676	24918	27132	27513	26383	24605	23295	23272	22575	23446	24713	24510
<b><u>Non-Firm Regional Loads</u></b>															
<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>	24159	24153	22730	22676	24918	27132	27516	26406	24660	23329	23306	22575	23446	24713	24520
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12235	10505	9626	10241	11850	12247	9757	9285	9824	10287	9180	9960	14265	12211	10864
<i>Independent Hydro</i>	1017	1013	991	961	911	966	756	768	947	1205	1275	1572	1612	1149	1074
<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>	13252	11518	10617	11202	12761	13213	10513	10053	10771	11492	10455	11531	15877	13359	11938
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3503	3503	3545	3503	3522	3534	3543	3521	2928	2817	2923	1901	3025	3488	3240
<i>Renewables</i>	370	370	352	335	325	284	261	268	474	386	386	411	402	411	357
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200
<i>Imports</i>	732	704	698	751	1013	1191	1073	1026	819	756	752	710	825	886	872
<i>Large Thermal</i>	6429	6429	6429	6429	6429	6393	6396	6429	6296	5208	4942	3672	5261	6163	5950
<i>Non-Utility Generation</i>	1423	1425	1363	1299	1316	1272	1262	1233	1401	1336	1346	1423	1609	1561	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14720	14693	14659	14596	14903	14964	14840	14772	13575	12784	12632	10057	13388	14762	13994
<i>Total Resources</i>	27972	26211	25276	25798	27664	28177	25354	24825	24346	24276	23087	21588	29264	28122	25932
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-788	-738	-713	-727	-780	-795	-715	-700	-686	-684	-651	-608	-825	-792	-731
<i>Total Reserves, Maintenance &amp; Losses-818</i>	-763	-721	-736	-784	-795	-715	-700	-692	-692	-658	-628	-839	-841	-743	
<i>Total Net Resources</i>	27154	25448	24555	25062	26881	27382	24639	24125	23654	23584	22429	20960	28425	27281	25189
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	2995	1296	1839	2386	1963	251	-2874	-2258	-951	289	-843	-1615	4979	2568	680
<i>Total Surplus/Deficit</i>	2995	1296	1825	2386	1963	251	-2878	-2281	-1005	255	-877	-1615	4979	2568	669

Loads and Resources - Pacific Northwest Region  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	23378	23372	21956	22138	24463	26662	27152	25585	24175	22840	22824	22186	22850	24050	23952
<i>Exports</i>	985	986	979	768	721	717	713	707	742	742	734	616	839	938	789
<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>	24363	24358	22935	22906	25183	27378	27865	26292	24917	23582	23557	22803	23689	24988	24741
<b><u>Non-Firm Regional Loads</u></b>															
<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>	24363	24358	22949	22906	25183	27378	27868	26315	24972	23616	23591	22803	23689	24988	24751
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12235	10505	9626	10241	11850	12247	9757	9285	9824	10287	9180	9960	14265	12211	10864
<i>Independent Hydro</i>	1017	1013	991	961	911	966	756	768	947	1205	1275	1572	1612	1149	1074
<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>	13252	11518	10617	11202	12761	13213	10513	10053	10771	11492	10455	11531	15877	13359	11938
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3504	3504	3544	3503	3522	3534	3543	3521	2928	2816	2922	1901	3026	3488	3240
<i>Renewables</i>	370	370	352	335	310	284	261	266	474	386	386	400	402	411	354
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1754	2265	2252	2184
<i>Imports</i>	735	708	698	753	1017	1195	1077	1030	823	762	759	719	834	885	876
<i>Large Thermal</i>	6429	6429	6429	6429	6429	6393	6396	6429	6263	4794	4504	5490	6000	6429	6147
<i>Non-Utility Generation</i>	1423	1425	1363	1298	1315	1272	1262	1229	1401	1337	1346	1423	1609	1561	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14724	14699	14657	14596	14891	14968	14845	14770	13545	12376	12202	11687	14136	15027	14177
<i>Total Resources</i>	27976	26217	25274	25799	27652	28181	25358	24823	24316	23867	22657	23218	30013	28387	26115
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-788	-739	-712	-727	-780	-795	-715	-700	-686	-673	-639	-654	-846	-799	-736
<i>Total Reserves, Maintenance &amp; Losses-818</i>	-763	-721	-736	-783	-795	-715	-700	-691	-680	-646	-674	-860	-848	-748	
<i>Total Net Resources</i>	27158	25454	24553	25062	26869	27387	24643	24123	23625	23187	22010	22544	29153	27538	25367
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	2795	1095	1618	2156	1686	8.2	-3222	-2169	-1292	-395	-1547	-258	5464	2550	626
<i>Total Surplus/Deficit</i>	2795	1095	1604	2156	1686	8.2	-3225	-2192	-1346	-429	-1581	-258	5464	2550	616

**Loads and Resources - Pacific Northwest Region**  
**PNW Loads and Resource Study**  
**2016 - 2017 Operating Year**  
**1937 Water Year**  
**[43] 2007 White Book (Final)**

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b><u>Firm Regional Loads</u></b>															
<i>Regional Firm Loads</i>	23706	23700	22257	22430	24786	27001	27477	26013	24466	23111	23094	22446	23125	24349	24263
<i>Exports</i>	924	925	923	714	704	700	696	691	725	725	717	602	825	917	762
<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>	24630	24625	23179	23144	25490	27701	28173	26704	25191	23836	23811	23048	23951	25266	25025
<b><u>Non-Firm Regional Loads</u></b>															
<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>	24630	24625	23194	23144	25490	27701	28177	26727	25246	23870	23845	23048	23951	25266	25036
<b><u>Hydro Resources</u></b>															
<i>Regulated Hydro</i>	12235	10505	9626	10241	11850	12247	9757	9285	9824	10287	9180	9960	14265	12211	10864
<i>Independent Hydro</i>	1017	1013	991	961	911	966	756	768	947	1205	1275	1572	1612	1149	1074
<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>	13252	11518	10617	11202	12761	13213	10513	10053	10771	11492	10455	11531	15877	13359	11938
<b><u>Other Resources</u></b>															
<i>Small Thermal &amp; Misc.</i>	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<i>Combustion Turbines</i>	3504	3504	3544	3503	3522	3534	3543	3521	2928	2816	2922	1901	3026	3488	3240
<i>Renewables</i>	370	370	352	335	310	284	261	268	474	386	386	421	391	411	355
<i>Cogeneration</i>	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200
<i>Imports</i>	733	706	695	749	997	1176	1057	1010	802	741	764	728	843	894	868
<i>Large Thermal</i>	6429	6429	6429	6389	6429	6429	6417	6429	6326	5289	4859	4970	5270	6263	6071
<i>Non-Utility Generation</i>	1425	1425	1363	1298	1316	1272	1262	1233	1401	1337	1347	1423	1609	1561	1375
<i>Resource Acquisition</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Total Other Resources</i>	14724	14695	14654	14552	14872	14985	14845	14756	13588	12849	12562	11383	13405	14871	14110
<i>Total Resources</i>	27976	26214	25271	25755	27633	28198	25358	24809	24359	24341	23016	22914	29282	28230	26049
<b><u>Reserves &amp; Maintenance</u></b>															
<i>Hydro Reserves</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Small Thermal &amp; 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>	-788	-739	-712	-726	-779	-795	-715	-700	-687	-686	-649	-646	-825	-795	-734
<i>Total Reserves, Maintenance &amp; Losses-818</i>	-763	-721	-735	-783	-795	-715	-700	-692	-694	-656	-666	-840	-844	-746	
<i>Total Net Resources</i>	27158	25451	24550	25020	26850	27403	24643	24110	23667	23647	22360	22249	28442	27386	25302
<b><u>Surplus/Deficits</u></b>															
<i>Firm Surplus/Deficit</i>	2527	825	1371	1876	1360	-298	-3531	-2594	-1524	-189	-1451	-799	4491	2121	277
<i>Total Surplus/Deficit</i>	2527	825	1356	1876	1360	-298	-3534	-2617	-1578	-223	-1485	-799	4491	2121	267

THIS PAGE INTENTIONALLY LEFT BLANK



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

THIS PAGE INTENTIONALLY LEFT BLANK

50-Water Year Surplus/Deficit  
Federal Tables  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2596	-188	316	19	54	-1060	-566	-1815	-473	-548	-1102	-327	2950	1186	55
1930 Federal Surplus/Deficit	860	201	195	405	158	-630	-2078	-838	-540	-105	-620	-335	1785	1619	-7.5
1931 Federal Surplus/Deficit	1430	510	46	391	77	-1157	-2020	-1827	-739	106	-1228	-337	1745	1326	-174
1932 Federal Surplus/Deficit	1213	612	311	121	-50	-1012	-1968	-2025	610	3121	3913	5322	3987	2635	1030
1933 Federal Surplus/Deficit	1033	1335	697	389	-310	-209	2959	1252	103	970	1744	3417	3205	2051	1341
1934 Federal Surplus/Deficit	2782	2162	924	1063	1314	4554	2726	2801	2762	3142	3909	5024	1456	1781	2534
1935 Federal Surplus/Deficit	618	52	-0.6	138	-420	-892	2173	2873	-659	649	1880	2670	3349	2550	1115
1936 Federal Surplus/Deficit	2222	272	303	261	15	-761	-1432	-1679	-559	187	3320	5874	3688	1314	835
1937 Federal Surplus/Deficit	1407	435	229	355	74	-738	-2074	-1614	-734	-333	-859	159	1928	779	-109
1938 Federal Surplus/Deficit	1156	258	197	449	-164	-569	2410	-56	1789	2397	3285	5781	4352	2316	1671
1939 Federal Surplus/Deficit	494	307	697	465	3.7	-735	348	-1639	8.2	898	1773	3573	1486	1741	640
1940 Federal Surplus/Deficit	1759	508	161	482	-43	-539	-150	-801	1890	1288	3087	2993	2053	1167	878
1941 Federal Surplus/Deficit	404	-89	119	456	-215	-447	197	-1688	-784	-130	-925	1211	1914	904	108
1942 Federal Surplus/Deficit	427	378	668	254	-333	981	2518	-124	-1250	222	1216	2823	4411	3303	1198
1943 Federal Surplus/Deficit	2490	1348	233	327	-178	-644	2007	1980	2684	3397	3954	5580	4250	2907	2062
1944 Federal Surplus/Deficit	2646	888	335	288	-19	-762	19	-1726	-1203	-855	-1544	-344	844	777	-102
1945 Federal Surplus/Deficit	482	146	249	176	-28	-1268	-1927	-1305	-875	-645	-1182	2791	4379	1455	254
1946 Federal Surplus/Deficit	732	425	159	155	-29	-603	1148	338	3038	3095	4186	6063	3952	3016	1788
1947 Federal Surplus/Deficit	2545	915	720	116	-63	2204	2942	2696	3252	1720	2420	5377	4157	3136	2361
1948 Federal Surplus/Deficit	1764	132	525	2462	639	1258	3867	375	1657	1403	3997	6388	5839	2924	2465
1949 Federal Surplus/Deficit	2953	2619	910	533	-96	-536	281	-119	3484	2300	4238	5811	4039	525	1741
1950 Federal Surplus/Deficit	491	-320	-38	299	-173	-916	934	3217	4123	3602	3775	5071	3034	2495	1818
1951 Federal Surplus/Deficit	2400	1498	747	1216	1055	2914	3433	2938	2811	3686	4057	6005	4105	2989	2836
1952 Federal Surplus/Deficit	2961	1501	674	1886	-18	1237	2650	1365	1431	4089	4430	6099	4587	2250	2388
1953 Federal Surplus/Deficit	1765	121	378	307	66	-960	80	1899	-30	255	1661	4467	3947	2857	1243
1954 Federal Surplus/Deficit	2503	1144	606	474	-7.8	454	1263	2893	1773	2716	2853	5677	3200	2255	1933
1955 Federal Surplus/Deficit	3920	3514	2845	651	131	539	94	-1465	-1022	277	1203	2477	3125	1964	1150
1956 Federal Surplus/Deficit	3020	2697	284	835	568	2701	3380	1725	3857	3832	3419	5831	3063	2819	2629
1957 Federal Surplus/Deficit	2900	1381	637	674	-142	64	1342	-641	1494	3439	3455	6290	3658	2180	1762
1958 Federal Surplus/Deficit	951	204	356	307	-39	-817	161	1473	1801	1477	3617	6065	4160	2051	1554
1959 Federal Surplus/Deficit	949	574	484	280	164	1639	3345	2995	1857	2583	2455	4491	3563	2701	2067
1960 Federal Surplus/Deficit	2861	1182	2904	2918	1603	2269	3283	-608	1347	3021	4158	3614	3959	2440	2445
1961 Federal Surplus/Deficit	1906	-9.6	545	371	-125	-161	1592	2314	2158	2831	2022	4957	3287	2456	1731
1962 Federal Surplus/Deficit	1490	903	199	361	89	-742	1215	-416	-596	3442	3952	4394	4004	2823	1352
1963 Federal Surplus/Deficit	2013	848	325	836	342	1718	2737	376	-332	594	760	4310	4556	2743	1643
1964 Federal Surplus/Deficit	2648	994	686	138	25	-585	823	-373	-853	1603	2242	3405	3396	2299	1059
1965 Federal Surplus/Deficit	2963	2149	1140	1232	11	2645	3415	3703	3334	2557	4244	5839	4340	2499	2843
1966 Federal Surplus/Deficit	2847	1584	683	748	-61	208	2752	-602	-720	3680	2359	3041	3370	2743	1450
1967 Federal Surplus/Deficit	2911	619	241	211	-72	-492	3494	3656	740	1050	466	3690	3250	2758	1667
1968 Federal Surplus/Deficit	3060	966	732	455	-183	-333	1910	2112	1519	-711	210	2798	3844	3246	1489
1969 Federal Surplus/Deficit	3046	1778	1646	1280	691	1315	3603	3020	1106	3680	3863	5956	3777	3009	2632
1970 Federal Surplus/Deficit	1990	448	448	433	22	-644	1373	835	320	92	1113	4251	4300	2294	1288
1971 Federal Surplus/Deficit	783	45	151	261	353	-743	3030	2990	2644	3418	4270	6032	3393	2676	2087
1972 Federal Surplus/Deficit	3757	2844	937	670	28	128	3521	3697	3225	2621	3182	5915	3838	2266	2535
1973 Federal Surplus/Deficit	3988	3105	1405	700	-96	418	2360	-1466	-876	-945	-969	1117	1755	1241	762
1974 Federal Surplus/Deficit	981	-104	-341	155	-463	1431	2912	2858	4133	3587	3878	6013	3800	1903	2214
1975 Federal Surplus/Deficit	3491	2939	831	-74	-28	-587	2095	946	2417	890	1924	4501	3914	2497	1761
1976 Federal Surplus/Deficit	1334	960	802	1299	971	3796	3383	2977	1937	3960	4149	6183	4152	2508	2767
1977 Federal Surplus/Deficit	3532	3687	3610	540	-80	-776	246	-1850	-1564	-1301	-1729	-59	583	429	264
1978 Federal Surplus/Deficit	775	395	-1.5	-104	-252	-504	1408	830	2095	3223	1910	3929	3561	3297	1451
<b>-Ranked Averages-</b>															
Top Ten Percent	2553	1816	924	1172	659	2674	3443	2873	2609	3543	3946	5963	3887	2765	2742
Middle Eighty Percent	1964	999	654	534	28	66	1568	748	1106	1739	2350	4331	3515	2265	1528
Bottom Ten Percent	1788	369	224	292	69	-869	-1344	-1564	-738	-347	-1071	-237	1851	1137	-67

Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2498	-315	146	-18	6.8	-1121	-628	-1940	-533	-544	-1078	-702	2294	1146	-89
1930 Federal Surplus/Deficit	743	76	25	369	112	-690	-2143	-961	-600	-100	-597	-709	1114	1567	-155
1931 Federal Surplus/Deficit	1318	389	-124	355	31	-1218	-2086	-1951	-799	111	-1204	-710	1051	1205	-328
1932 Federal Surplus/Deficit	1100	493	142	84	-97	-1073	-2034	-2151	549	3130	3899	4960	3196	2593	873
1933 Federal Surplus/Deficit	920	1225	528	352	-359	-269	2909	1142	44	977	1773	3053	2415	1827	1174
1934 Federal Surplus/Deficit	2690	2063	755	1028	1271	4507	2683	2706	2710	3112	3893	4669	729	1674	2384
1935 Federal Surplus/Deficit	503	-70	-170	101	-469	-954	2120	2772	-719	655	1912	2304	2687	2491	972
1936 Federal Surplus/Deficit	2125	154	134	224	-32	-821	-1497	-1803	-619	191	3297	5516	3027	1261	689
1937 Federal Surplus/Deficit	1297	315	59	318	28	-798	-2139	-1737	-794	-328	-835	-216	1256	725	-256
1938 Federal Surplus/Deficit	1044	137	28	412	-212	-631	2356	-175	1733	2405	3315	5421	3558	2284	1519
1939 Federal Surplus/Deficit	376	186	528	429	-44	-796	289	-1764	-52	903	1802	3210	808	1686	494
1940 Federal Surplus/Deficit	1652	389	-8.7	446	-90	-599	-210	-923	1836	1295	3122	2628	1383	1111	734
1941 Federal Surplus/Deficit	286	-213	-51	419	-263	-507	137	-1814	-845	-125	-900	844	1249	860	-37
1942 Federal Surplus/Deficit	309	260	498	216	-382	923	2465	-242	-1312	225	1243	2458	3619	3261	1044
1943 Federal Surplus/Deficit	2392	1238	63	290	-227	-707	1950	1866	2629	3364	3935	5221	3455	2683	1891
1944 Federal Surplus/Deficit	2552	774	165	251	-68	-824	-40	-1851	-1265	-852	-1521	-717	173	736	-247
1945 Federal Surplus/Deficit	362	23	80	140	-75	-1330	-1993	-1430	-936	-641	-1159	2423	3587	1420	98
1946 Federal Surplus/Deficit	616	305	-11	117	-77	-666	1089	221	2986	3104	4217	5653	3160	2970	1630
1947 Federal Surplus/Deficit	2448	801	550	77	-111	2149	2889	2587	3201	1729	2451	4972	3507	3091	2219
1948 Federal Surplus/Deficit	1660	9.9	355	2431	593	1202	3816	256	1602	1410	4031	5977	5144	2704	2303
1949 Federal Surplus/Deficit	2861	2524	740	496	-144	-597	222	-239	3432	2308	4220	5397	3245	485	1583
1950 Federal Surplus/Deficit	374	-447	-208	262	-221	-979	876	3112	4073	3612	3808	4709	2244	2274	1651
1951 Federal Surplus/Deficit	2305	1392	577	1181	1008	2861	3385	2839	2757	3652	4039	5595	3311	2767	2665
1952 Federal Surplus/Deficit	2869	1394	504	1853	-67	1180	2597	1251	1376	4052	4409	5691	3794	2223	2230
1953 Federal Surplus/Deficit	1660	-0.2	208	270	19	-1021	18	1785	-90	260	1691	4105	3156	2638	1075
1954 Federal Surplus/Deficit	2405	1033	436	437	-56	395	1206	2787	1718	2725	2883	5317	2407	2032	1767
1955 Federal Surplus/Deficit	3748	3427	2677	615	84	482	35	-1588	-1082	284	1233	2110	2336	1738	979
1956 Federal Surplus/Deficit	2929	2600	114	799	521	2648	3333	1611	3806	3797	3403	5422	2272	2596	2457
1957 Federal Surplus/Deficit	2807	1272	467	637	-190	3.6	1286	-764	1436	3449	3488	5879	2871	2140	1606
1958 Federal Surplus/Deficit	836	81	186	270	-86	-879	101	1358	1747	1484	3649	5652	3371	2011	1396
1959 Federal Surplus/Deficit	834	456	314	243	116	1584	3297	2890	1802	2593	2488	4129	2775	2482	1901
1960 Federal Surplus/Deficit	2768	1070	2736	2888	1560	2216	3233	-730	1291	2995	4143	3250	3167	2385	2290
1961 Federal Surplus/Deficit	1804	-133	375	334	-173	-220	1538	2204	2104	2843	2055	4598	2499	2396	1578
1962 Federal Surplus/Deficit	1379	786	29	324	41	-803	1158	-537	-656	3453	3939	4032	3353	2778	1208
1963 Federal Surplus/Deficit	1911	733	156	799	294	1663	2685	254	-392	601	790	3948	3838	2703	1497
1964 Federal Surplus/Deficit	2550	879	517	100	-23	-646	766	-491	-914	1608	2274	3038	2606	2076	890
1965 Federal Surplus/Deficit	2871	2047	971	1197	-36	2591	3367	3597	3281	2566	4225	5442	3543	2486	2691
1966 Federal Surplus/Deficit	2755	1479	513	712	-109	149	2700	-722	-781	3695	2393	2677	2702	2679	1307
1967 Federal Surplus/Deficit	2816	499	72	174	-120	-553	3444	3556	683	1058	494	3324	2461	2536	1501
1968 Federal Surplus/Deficit	2968	852	563	418	-231	-393	1855	2000	1463	-708	216	2432	3052	3026	1321
1969 Federal Surplus/Deficit	2954	1674	1477	1245	645	1260	3555	2915	1048	3647	3846	5547	2987	2963	2475
1970 Federal Surplus/Deficit	1884	327	278	396	-25	-705	1314	717	261	98	1144	3887	3505	2274	1136
1971 Federal Surplus/Deficit	667	-80	-19	224	306	-805	2974	2893	2590	3427	4304	5622	2605	2455	1917
1972 Federal Surplus/Deficit	3671	2748	767	633	-21	68	3470	3595	3177	2591	3215	5503	3137	2043	2374
1973 Federal Surplus/Deficit	3829	3014	1236	663	-144	359	2306	-1591	-937	-941	-943	747	1085	1188	616
1974 Federal Surplus/Deficit	865	-231	-511	118	-513	1373	2868	2762	4082	3554	3860	5601	3066	1676	2046
1975 Federal Surplus/Deficit	3406	2845	662	-113	-76	-649	2040	832	2363	896	1954	4136	3118	2273	1595
1976 Federal Surplus/Deficit	1226	848	633	1264	926	3746	3334	2871	1881	3926	4182	5771	3356	2287	2597
1977 Federal Surplus/Deficit	3361	3515	3443	503	-128	-837	188	-1975	-1626	-1334	-1733	-449	-119	304	101
1978 Federal Surplus/Deficit	657	275	-171	-141	-300	-569	1350	712	2040	3234	1941	3564	2911	3073	1294
<b>-Ranked Averages-</b>															
Top Ten Percent	2457	1712	754	1137	613	2621	3395	2767	2555	3518	3939	5555	3094	2620	2577
Middle Eighty Percent	1854	883	485	497	-20	6.2	1512	633	1049	1739	2369	3955	2768	2145	1371
Bottom Ten Percent	1681	248	54	255	22	-930	-1407	-1688	-798	-343	-1047	-611	1178	1076	-215

Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2551	-304	19	-133	-132	-1272	-777	-2085	-671	-696	-1230	-447	2945	1233	-97
1930 Federal Surplus/Deficit	783	87	-102	255	-26	-841	-2295	-1105	-738	-252	-749	-453	1766	1655	-162
1931 Federal Surplus/Deficit	1334	400	-252	241	-107	-1368	-2238	-2096	-937	-41	-1356	-454	1704	1293	-337
1932 Federal Surplus/Deficit	1035	421	15	-30	-235	-1224	-2186	-2296	410	2980	3754	5223	3851	2682	859
1933 Federal Surplus/Deficit	961	1229	401	238	-499	-419	2764	1003	-94	825	1624	3314	3072	1919	1168
1934 Federal Surplus/Deficit	2728	2074	628	915	1133	4363	2541	2572	2576	2967	3748	4934	1381	1763	2380
1935 Federal Surplus/Deficit	456	-125	-298	-13	-609	-1105	1975	2637	-857	503	1764	2565	3340	2580	960
1936 Federal Surplus/Deficit	2115	134	6.4	110	-170	-971	-1649	-1948	-757	39	3148	5779	3682	1348	679
1937 Federal Surplus/Deficit	1319	330	-69	204	-111	-948	-2291	-1882	-932	-480	-987	40	1907	811	-265
1938 Federal Surplus/Deficit	1020	93	-100	298	-351	-782	2210	-318	1597	2255	3167	5685	4211	2372	1507
1939 Federal Surplus/Deficit	433	234	401	314	-182	-947	141	-1909	-190	751	1652	3471	1460	1774	489
1940 Federal Surplus/Deficit	1617	341	-137	332	-229	-749	-359	-1067	1699	1143	2976	2888	2036	1199	721
1941 Federal Surplus/Deficit	268	-249	-179	305	-402	-657	-12	-1959	-983	-277	-1051	1103	1900	947	-49
1942 Federal Surplus/Deficit	357	305	371	101	-522	773	2319	-385	-1451	71	1093	2719	4274	3351	1039
1943 Federal Surplus/Deficit	2437	1261	-65	175	-366	-859	1803	1725	2493	3217	3788	5486	4109	2771	1885
1944 Federal Surplus/Deficit	2609	830	36	136	-207	-975	-189	-1997	-1404	-1004	-1674	-461	824	822	-253
1945 Federal Surplus/Deficit	407	40	-48	25	-214	-1481	-2146	-1575	-1075	-794	-1312	2681	4241	1506	91
1946 Federal Surplus/Deficit	668	333	-140	2.6	-216	-817	940	79	2851	2954	4069	5918	3815	3059	1625
1947 Federal Surplus/Deficit	2495	848	423	-38	-251	2000	2743	2447	3067	1578	2303	5235	4161	3181	2215
1948 Federal Surplus/Deficit	1711	66	228	2319	454	1054	3671	112	1466	1260	3884	6242	5802	2795	2300
1949 Federal Surplus/Deficit	2913	2569	613	382	-283	-748	74	-383	3297	2157	4074	5659	3899	570	1578
1950 Federal Surplus/Deficit	426	-411	-337	147	-360	-1131	728	2974	3940	3463	3661	4972	2901	2364	1647
1951 Federal Surplus/Deficit	2363	1440	450	1067	870	2714	3241	2703	2622	3503	3894	5860	3964	2857	2662
1952 Federal Surplus/Deficit	2916	1444	377	1740	-206	1031	2451	1110	1240	3902	4261	5956	4448	2310	2227
1953 Federal Surplus/Deficit	1714	57	80	156	-119	-1172	-133	1644	-228	109	1542	4367	3813	2729	1071
1954 Federal Surplus/Deficit	2457	1085	308	323	-195	245	1059	2649	1583	2575	2735	5581	3064	2123	1764
1955 Federal Surplus/Deficit	3637	3469	2557	500	-55	333	-113	-1733	-1220	132	1084	2369	2993	1829	968
1956 Federal Surplus/Deficit	2975	2622	-15	685	382	2500	3189	1470	3672	3649	3259	5687	2929	2687	2453
1957 Federal Surplus/Deficit	2857	1326	339	523	-330	-147	1139	-908	1299	3299	3340	6143	3529	2228	1602
1958 Federal Surplus/Deficit	894	133	58	155	-225	-1031	-48	1217	1611	1333	3500	5915	4027	2099	1392
1959 Federal Surplus/Deficit	894	511	186	128	-24	1435	3153	2753	1666	2443	2341	4392	3431	2573	1899
1960 Federal Surplus/Deficit	2812	1120	2616	2777	1422	2069	3089	-875	1155	2851	3998	3512	3822	2474	2288
1961 Federal Surplus/Deficit	1849	-98	248	220	-312	-370	1392	2064	1969	2694	1907	4862	3157	2485	1574
1962 Federal Surplus/Deficit	1364	764	-98	209	-97	-954	1011	-682	-794	3303	3795	4294	4006	2867	1198
1963 Federal Surplus/Deficit	1961	775	28	685	155	1514	2540	110	-529	450	641	4209	4492	2792	1492
1964 Federal Surplus/Deficit	2599	928	390	-15	-162	-797	618	-633	-1053	1456	2126	3299	3262	2167	886
1965 Federal Surplus/Deficit	2923	2097	845	1084	-175	2442	3224	3458	3146	2416	4077	5706	4198	2573	2688
1966 Federal Surplus/Deficit	2811	1538	385	597	-248	-0.3	2556	-866	-919	3547	2247	2938	3356	2769	1303
1967 Federal Surplus/Deficit	2795	480	-56	60	-259	-704	3300	3420	546	908	346	3585	3118	2628	1492
1968 Federal Surplus/Deficit	3012	891	436	304	-371	-543	1708	1860	1328	-861	67	2693	3708	3117	1316
1969 Federal Surplus/Deficit	2998	1729	1354	1132	507	1111	3411	2777	911	3500	3701	5812	3643	3052	2473
1970 Federal Surplus/Deficit	1937	368	150	282	-163	-855	1165	574	124	-54	996	4147	4159	2362	1131
1971 Federal Surplus/Deficit	728	-28	-148	109	167	-956	2827	2759	2454	3277	4158	5886	3262	2545	1914
1972 Federal Surplus/Deficit	3723	2795	641	518	-160	-82	3325	3457	3044	2446	3068	5768	3793	2134	2371
1973 Federal Surplus/Deficit	3717	3058	1111	549	-284	209	2160	-1736	-1076	-1094	-1094	1006	1737	1275	604
1974 Federal Surplus/Deficit	870	-242	-641	3.8	-654	1224	2726	2629	3948	3406	3715	5865	3722	1767	2039
1975 Federal Surplus/Deficit	3460	2893	535	-228	-214	-800	1893	690	2227	745	1806	4398	3774	2365	1591
1976 Federal Surplus/Deficit	1296	915	506	1150	787	3599	3190	2733	1744	3778	4036	6035	4009	2379	2595
1977 Federal Surplus/Deficit	3256	3405	3326	389	-267	-988	40	-2120	-1765	-1487	-1885	-191	532	390	83
1978 Federal Surplus/Deficit	589	216	-299	-256	-440	-722	1201	569	1905	3086	1793	3825	3563	3163	1279
<b>-Ranked Averages-</b>															
Top Ten Percent	2511	1761	628	1024	474	2473	3251	2628	2419	3369	3793	5820	3749	2710	2574
Middle Eighty Percent	1872	901	358	383	-159	-144	1365	492	913	1589	2221	4217	3423	2234	1364
Bottom Ten Percent	1719	269	-74	140	-116	-1081	-1558	-1833	-937	-495	-1199	-355	1829	1163	-223

Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2542	-315	28	-150	-157	-1308	-811	-2120	-696	-719	-1248	-912	2162	1067	-231
1930 Federal Surplus/Deficit	771	76	-93	241	-50	-876	-2333	-1139	-762	-275	-767	-919	985	1493	-296
1931 Federal Surplus/Deficit	1323	389	-243	226	-132	-1403	-2276	-2131	-962	-63	-1375	-919	925	1131	-471
1932 Federal Surplus/Deficit	1023	411	25	-45	-261	-1259	-2225	-2331	385	2961	3752	4772	3077	2521	728
1933 Federal Surplus/Deficit	949	1219	411	223	-527	-454	2741	978	-116	804	1611	2860	2299	1764	1039
1934 Federal Surplus/Deficit	2719	2066	638	901	1110	4338	2520	2555	2560	2959	3744	4487	600	1602	2255
1935 Federal Surplus/Deficit	444	-137	-289	-28	-637	-1141	1950	2617	-881	482	1755	2110	2561	2421	830
1936 Federal Surplus/Deficit	2105	122	16	95	-195	-1005	-1686	-1983	-782	17	3134	5330	2904	1185	547
1937 Federal Surplus/Deficit	1308	319	-60	189	-135	-982	-2329	-1916	-956	-502	-1005	-424	1124	646	-399
1938 Federal Surplus/Deficit	1008	82	-91	284	-378	-819	2184	-350	1577	2235	3157	5238	3433	2210	1377
1939 Federal Surplus/Deficit	420	223	411	299	-208	-983	110	-1944	-215	729	1639	3018	678	1612	357
1940 Federal Surplus/Deficit	1606	330	-128	318	-254	-784	-393	-1102	1679	1122	2969	2432	1255	1035	589
1941 Federal Surplus/Deficit	255	-261	-170	290	-429	-693	-44	-1995	-1009	-299	-1069	644	1118	782	-183
1942 Federal Surplus/Deficit	343	294	380	85	-550	739	2293	-415	-1477	47	1077	2262	3497	3192	907
1943 Federal Surplus/Deficit	2427	1251	-56	160	-394	-897	1773	1695	2473	3205	3781	5038	3331	2610	1755
1944 Federal Surplus/Deficit	2599	819	45	119	-234	-1011	-221	-2032	-1429	-1028	-1694	-925	38	656	-387
1945 Federal Surplus/Deficit	394	29	-39	9.8	-239	-1517	-2185	-1610	-1099	-817	-1331	2222	3464	1341	-43
1946 Federal Surplus/Deficit	655	322	-131	-13	-243	-855	907	48	2833	2937	4061	5470	3039	2899	1495
1947 Federal Surplus/Deficit	2485	838	432	-56	-278	1968	2716	2421	3053	1560	2293	4784	3383	3022	2086
1948 Federal Surplus/Deficit	1700	54	237	2310	429	1022	3647	80	1446	1240	3877	5794	5029	2639	2172
1949 Federal Surplus/Deficit	2903	2561	623	366	-310	-784	43	-415	3280	2137	4069	5207	3121	403	1447
1950 Federal Surplus/Deficit	413	-424	-328	131	-387	-1168	698	2950	3926	3447	3654	4523	2128	2206	1519
1951 Federal Surplus/Deficit	2352	1431	459	1052	844	2686	3219	2684	2604	3489	3890	5412	3186	2700	2536
1952 Federal Surplus/Deficit	2907	1435	386	1728	-234	999	2425	1082	1222	3884	4251	5509	3671	2148	2098
1953 Federal Surplus/Deficit	1703	45	89	141	-144	-1207	-168	1616	-252	87	1530	3916	3040	2572	940
1954 Federal Surplus/Deficit	2447	1075	318	308	-221	211	1029	2626	1565	2556	2725	5133	2291	1966	1636
1955 Federal Surplus/Deficit	3630	3463	2571	486	-81	301	-145	-1767	-1245	110	1071	1911	2220	1674	839
1956 Federal Surplus/Deficit	2966	2615	-5.6	671	356	2471	3167	1441	3657	3635	3257	5240	2156	2531	2327
1957 Federal Surplus/Deficit	2847	1316	348	508	-357	-182	1111	-942	1276	3281	3332	5694	2757	2066	1472
1958 Federal Surplus/Deficit	882	121	67	139	-251	-1068	-81	1188	1593	1314	3490	5464	3253	1936	1262
1959 Federal Surplus/Deficit	881	500	196	112	-51	1403	3131	2729	1647	2427	2334	3944	2659	2418	1772
1960 Federal Surplus/Deficit	2803	1110	2629	2767	1399	2040	3065	-909	1134	2844	3995	3059	3046	2314	2160
1961 Federal Surplus/Deficit	1839	-110	258	205	-340	-404	1365	2038	1950	2679	1898	4414	2385	2325	1446
1962 Federal Surplus/Deficit	1353	754	-89	194	-123	-990	981	-715	-819	3285	3794	3843	3226	2708	1067
1963 Federal Surplus/Deficit	1950	765	37	669	129	1484	2516	75	-553	429	629	3756	3714	2631	1362
1964 Federal Surplus/Deficit	2589	918	400	-31	-188	-832	589	-663	-1077	1434	2116	2844	2489	2012	756
1965 Federal Surplus/Deficit	2913	2089	855	1071	-201	2411	3202	3433	3129	2398	4069	5258	3420	2410	2560
1966 Federal Surplus/Deficit	2802	1529	394	583	-274	-34	2531	-898	-945	3533	2239	2484	2578	2611	1174
1967 Federal Surplus/Deficit	2786	469	-47	44	-285	-739	3276	3400	524	890	334	3132	2345	2474	1364
1968 Federal Surplus/Deficit	3003	881	446	288	-398	-578	1681	1832	1308	-884	55	2238	2933	2962	1187
1969 Federal Surplus/Deficit	2989	1720	1365	1119	481	1080	3388	2754	889	3488	3698	5365	2871	2893	2346
1970 Federal Surplus/Deficit	1926	357	160	266	-189	-890	1133	543	101	-76	983	3692	3381	2199	999
1971 Federal Surplus/Deficit	715	-40	-140	94	141	-993	2797	2740	2434	3259	4153	5438	2488	2388	1786
1972 Federal Surplus/Deficit	3715	2788	650	503	-188	-117	3299	3435	3032	2437	3060	5320	3020	1977	2244
1973 Federal Surplus/Deficit	3710	3051	1121	534	-311	174	2133	-1772	-1101	-1117	-1111	545	955	1111	471
1974 Federal Surplus/Deficit	858	-253	-633	-12	-684	1191	2705	2612	3933	3394	3713	5417	2948	1611	1912
1975 Federal Surplus/Deficit	3451	2886	545	-245	-240	-837	1864	660	2209	725	1796	3945	2998	2211	1462
1976 Federal Surplus/Deficit	1284	905	515	1136	762	3571	3167	2710	1722	3764	4029	5587	3228	2223	2468
1977 Federal Surplus/Deficit	3250	3401	3341	374	-294	-1024	9.1	-2156	-1791	-1511	-1906	-652	-251	226	-50
1978 Federal Surplus/Deficit	578	205	-290	-272	-467	-761	1169	537	1887	3072	1783	3372	2781	3003	1148
<b>-Ranked Averages-</b>															
Top Ten Percent	2501	1752	638	1010	448	2444	3229	2604	2400	3355	3789	5372	2972	2551	2447
Middle Eighty Percent	1862	891	367	368	-185	-179	1337	462	892	1570	2211	3765	2646	2075	1235
Bottom Ten Percent	1708	258	-65	125	-142	-1116	-1594	-1868	-961	-518	-1218	-820	1047	998	-357

Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2521	-341	0.8	-77	-76	-1212	-733	-1967	-599	-650	-1180	-403	2757	1273	-72
1930 Federal Surplus/Deficit	745	50	-120	315	32	-780	-2256	-983	-665	-207	-702	-410	1580	1701	-137
1931 Federal Surplus/Deficit	1299	365	-271	302	-53	-1307	-2197	-1976	-864	6.8	-1306	-409	1521	1339	-311
1932 Federal Surplus/Deficit	1000	388	-0.2	31	-178	-1159	-2148	-2178	480	3036	3836	5295	3678	2731	890
1933 Federal Surplus/Deficit	923	1197	385	294	-448	-356	2833	1139	-19	876	1684	3381	2900	1979	1202
1934 Federal Surplus/Deficit	2700	2048	612	971	1192	4449	2613	2725	2663	3044	3828	5012	1194	1812	2421
1935 Federal Surplus/Deficit	418	-162	-316	52	-550	-1041	2040	2785	-784	554	1834	2629	3157	2634	994
1936 Federal Surplus/Deficit	2084	97	-11	173	-108	-906	-1606	-1830	-684	87	3207	5856	3502	1392	710
1937 Federal Surplus/Deficit	1284	294	-87	259	-54	-881	-2252	-1761	-857	-431	-935	86	1717	851	-240
1938 Federal Surplus/Deficit	984	57	-118	355	-298	-721	2274	-192	1676	2308	3233	5764	4032	2419	1540
1939 Federal Surplus/Deficit	392	197	385	373	-127	-887	191	-1791	-120	797	1709	3539	1271	1820	517
1940 Federal Surplus/Deficit	1584	306	-155	392	-176	-686	-311	-948	1778	1190	3045	2950	1850	1242	750
1941 Federal Surplus/Deficit	227	-287	-197	365	-349	-594	39	-1842	-914	-228	-998	1159	1711	987	-23
1942 Federal Surplus/Deficit	316	269	353	159	-470	840	2381	-259	-1381	117	1150	2781	4095	3404	1069
1943 Federal Surplus/Deficit	2406	1229	-84	233	-315	-799	1859	1853	2572	3287	3862	5566	3930	2821	1919
1944 Federal Surplus/Deficit	2577	795	17	190	-156	-916	-141	-1882	-1332	-960	-1627	-413	631	861	-229
1945 Federal Surplus/Deficit	367	2.9	-66	83	-156	-1419	-2111	-1455	-1004	-748	-1263	2737	4064	1548	117
1946 Federal Surplus/Deficit	628	297	-159	58	-165	-761	987	202	2933	3012	4138	5998	3640	3110	1657
1947 Federal Surplus/Deficit	2464	814	406	14	-199	2067	2800	2581	3154	1633	2368	5309	3982	3234	2249
1948 Federal Surplus/Deficit	1677	28	210	2388	510	1121	3734	233	1546	1310	3954	6323	5633	2853	2336
1949 Federal Surplus/Deficit	2883	2543	597	441	-230	-689	124	-260	3381	2207	4147	5733	3720	607	1609
1950 Federal Surplus/Deficit	385	-452	-357	206	-307	-1074	779	3113	4029	3525	3734	5048	2732	2420	1682
1951 Federal Surplus/Deficit	2330	1409	432	1122	922	2788	3308	2848	2704	3566	3972	5942	3784	2914	2700
1952 Federal Surplus/Deficit	2888	1413	359	1802	-157	1098	2510	1239	1321	3958	4328	6039	4271	2355	2261
1953 Federal Surplus/Deficit	1680	19	62	214	-63	-1111	-91	1774	-159	156	1602	4438	3644	2785	1102
1954 Federal Surplus/Deficit	2426	1052	291	381	-139	309	1114	2788	1666	2630	2800	5660	2894	2180	1800
1955 Federal Surplus/Deficit	3614	3448	2551	560	2.1	400	-63	-1613	-1149	179	1142	2428	2824	1889	1002
1956 Federal Surplus/Deficit	2945	2597	-33	746	437	2572	3256	1598	3759	3714	3343	5769	2760	2745	2492
1957 Federal Surplus/Deficit	2827	1293	321	581	-278	-87	1194	-790	1371	3355	3409	6223	3361	2274	1634
1958 Federal Surplus/Deficit	855	95	40	212	-169	-973	-2	1343	1694	1387	3566	5989	3855	2144	1424
1959 Federal Surplus/Deficit	855	476	169	185	31	1505	3224	2892	1748	2502	2412	4468	3262	2633	1937
1960 Federal Surplus/Deficit	2783	1088	2609	2846	1482	2141	3154	-755	1234	2925	4075	3579	3645	2524	2325
1961 Federal Surplus/Deficit	1816	-136	231	280	-260	-304	1452	2200	2053	2758	1977	4939	2987	2535	1610
1962 Federal Surplus/Deficit	1329	731	-117	271	-41	-891	1066	-561	-722	3356	3875	4368	3822	2920	1230
1963 Federal Surplus/Deficit	1928	741	10	743	207	1583	2605	228	-455	500	702	4277	4316	2841	1524
1964 Federal Surplus/Deficit	2569	894	374	39	-106	-732	674	-506	-982	1502	2189	3365	3093	2227	919
1965 Federal Surplus/Deficit	2893	2069	829	1147	-120	2511	3293	3592	3230	2474	4149	5786	4019	2619	2725
1966 Federal Surplus/Deficit	2783	1507	367	652	-197	64	2618	-745	-850	3608	2314	3005	3176	2823	1335
1967 Federal Surplus/Deficit	2768	445	-74	117	-203	-642	3369	3566	622	966	411	3654	2950	2691	1529
1968 Federal Surplus/Deficit	2985	858	420	359	-319	-483	1765	1988	1406	-818	127	2758	3536	3179	1349
1969 Federal Surplus/Deficit	2971	1700	1341	1192	560	1180	3477	2915	985	3567	3779	5895	3475	3104	2511
1970 Federal Surplus/Deficit	1904	332	133	346	-101	-789	1218	701	200	-3.8	1060	4211	3978	2406	1162
1971 Federal Surplus/Deficit	689	-66	-168	166	222	-899	2880	2905	2533	3330	4231	5967	3091	2600	1949
1972 Federal Surplus/Deficit	3698	2771	624	576	-109	-21	3386	3597	3138	2522	3141	5849	3625	2190	2410
1973 Federal Surplus/Deficit	3694	3035	1096	609	-232	273	2220	-1619	-1006	-1046	-1040	1059	1549	1318	632
1974 Federal Surplus/Deficit	833	-280	-662	62	-607	1289	2794	2779	4035	3475	3798	5946	3553	1826	2077
1975 Federal Surplus/Deficit	3432	2870	519	-176	-160	-740	1952	817	2310	796	1871	4468	3598	2427	1625
1976 Federal Surplus/Deficit	1257	880	488	1210	844	3674	3257	2870	1819	3843	4110	6115	3825	2438	2632
1977 Federal Surplus/Deficit	3234	3387	3323	445	-217	-929	90	-2005	-1695	-1442	-1839	-137	344	431	110
1978 Federal Surplus/Deficit	553	181	-317	-200	-386	-670	1249	691	1987	3149	1859	3896	3377	3214	1309
<b>-Ranked Averages-</b>															
Top Ten Percent	2479	1731	612	1083	528	2545	3318	2765	2499	3433	3871	5901	3573	2764	2612
Middle Eighty Percent	1839	868	341	441	-104	-81	1421	620	990	1644	2287	4288	3246	2286	1397
Bottom Ten Percent	1685	233	-92	198	-62	-1019	-1516	-1714	-864	-448	-1150	-310	1641	1205	-198





Table A-30: Federal Surplus/Deficit - 50 Water Year  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1929 Federal Surplus/Deficit	2557	-320	7.1	-155	-171	-1318	-876	-2209	-714	-762	-1290	-502	2694	1208	-162
1930 Federal Surplus/Deficit	769	73	-114	239	-62	-885	-2402	-1224	-780	-319	-812	-509	1519	1638	-227
1931 Federal Surplus/Deficit	1328	390	-265	226	-147	-1412	-2344	-2218	-979	-105	-1416	-508	1462	1277	-401
1932 Federal Surplus/Deficit	1029	416	9.5	-45	-272	-1265	-2295	-2420	364	2928	3741	5209	3623	2670	803
1933 Federal Surplus/Deficit	948	1227	391	217	-545	-460	2700	905	-133	765	1580	3293	2847	1924	1116
1934 Federal Surplus/Deficit	2737	2083	619	896	1100	4353	2481	2498	2555	2945	3731	4929	1133	1751	2339
1935 Federal Surplus/Deficit	452	-130	-301	-24	-647	-1147	1905	2555	-899	443	1732	2540	3098	2574	909
1936 Federal Surplus/Deficit	2120	122	0.4	96	-202	-1010	-1752	-2072	-800	-25	3101	5771	3444	1329	622
1937 Federal Surplus/Deficit	1315	320	-83	183	-148	-986	-2398	-2003	-972	-542	-1045	-12	1654	786	-330
1938 Federal Surplus/Deficit	1012	81	-112	279	-394	-828	2138	-431	1564	2198	3131	5681	3974	2357	1453
1939 Federal Surplus/Deficit	414	219	394	296	-222	-993	51	-2033	-235	686	1603	3450	1209	1757	428
1940 Federal Surplus/Deficit	1615	331	-147	316	-270	-791	-453	-1190	1666	1079	2945	2859	1790	1179	662
1941 Federal Surplus/Deficit	250	-265	-192	289	-445	-699	-102	-2085	-1030	-340	-1107	1066	1649	922	-113
1942 Federal Surplus/Deficit	339	293	361	82	-566	736	2245	-498	-1498	3.1	1042	2690	4038	3345	981
1943 Federal Surplus/Deficit	2440	1257	-77	157	-411	-907	1719	1616	2461	3185	3762	5483	3872	2759	1833
1944 Federal Surplus/Deficit	2609	820	19	112	-252	-1023	-283	-2124	-1449	-1073	-1738	-511	566	795	-320
1945 Federal Surplus/Deficit	390	25	-57	6.3	-251	-1525	-2258	-1698	-1119	-860	-1374	2643	4006	1483	27
1946 Federal Surplus/Deficit	652	321	-153	-20	-261	-869	846	-37	2824	2905	4037	5915	3584	3050	1570
1947 Federal Surplus/Deficit	2498	840	415	-64	-295	1965	2663	2346	3047	1524	2266	5223	3924	3174	2164
1948 Federal Surplus/Deficit	1707	50	216	2316	415	1019	3599	-7.3	1434	1201	3855	6240	5579	2796	2251
1949 Federal Surplus/Deficit	2921	2582	605	364	-326	-795	-16	-500	3272	2097	4049	5646	3662	540	1523
1950 Federal Surplus/Deficit	407	-433	-351	129	-403	-1181	639	2881	3923	3418	3635	4963	2679	2362	1596
1951 Federal Surplus/Deficit	2362	1438	439	1046	828	2689	3175	2619	2594	3461	3876	5859	3726	2855	2617
1952 Federal Surplus/Deficit	2925	1444	366	1729	-253	995	2373	1002	1211	3851	4226	5956	4213	2293	2176
1953 Federal Surplus/Deficit	1710	40	68	137	-157	-1216	-234	1537	-274	45	1498	4351	3591	2727	1015
1954 Federal Surplus/Deficit	2459	1080	299	304	-234	205	976	2556	1556	2522	2698	5577	2840	2122	1715
1955 Federal Surplus/Deficit	3657	3489	2572	484	-92	297	-204	-1855	-1264	67	1037	2335	2771	1834	917
1956 Federal Surplus/Deficit	2980	2634	-27	670	342	2471	3124	1361	3652	3610	3248	5686	2707	2688	2409
1957 Federal Surplus/Deficit	2865	1323	327	504	-374	-192	1056	-1031	1257	3248	3308	6138	3308	2212	1548
1958 Federal Surplus/Deficit	880	116	46	134	-264	-1080	-144	1106	1584	1278	3463	5903	3800	2081	1336
1959 Federal Surplus/Deficit	879	500	176	108	-65	1403	3092	2660	1637	2395	2312	4384	3209	2578	1852
1960 Federal Surplus/Deficit	2819	1115	2630	2775	1389	2041	3020	-996	1121	2826	3978	3491	3589	2464	2241
1961 Federal Surplus/Deficit	1850	-114	236	204	-356	-408	1315	1965	1943	2652	1875	4856	2933	2475	1525
1962 Federal Surplus/Deficit	1358	758	-111	195	-136	-997	927	-801	-838	3249	3780	4281	3762	2859	1143
1963 Federal Surplus/Deficit	1959	768	16	666	112	1482	2470	-13	-570	390	597	4188	4258	2780	1437
1964 Federal Surplus/Deficit	2605	921	384	-38	-201	-838	535	-744	-1098	1390	2086	3275	3040	2171	832
1965 Federal Surplus/Deficit	2929	2103	839	1072	-215	2409	3161	3358	3121	2367	4048	5703	3962	2556	2641
1966 Federal Surplus/Deficit	2819	1537	371	575	-292	-40	2484	-985	-966	3504	2214	2916	3119	2765	1249
1967 Federal Surplus/Deficit	2806	471	-67	41	-298	-747	3235	3336	509	858	307	3565	2897	2635	1444
1968 Federal Surplus/Deficit	3024	886	429	282	-415	-588	1627	1752	1295	-930	22	2668	3481	3123	1263
1969 Federal Surplus/Deficit	3012	1734	1354	1117	465	1078	3345	2683	871	3465	3682	5812	3422	3045	2428
1970 Federal Surplus/Deficit	1945	365	149	269	-195	-894	1076	461	86	-115	955	4121	3920	2343	1076
1971 Federal Surplus/Deficit	713	-45	-165	89	127	-1006	2741	2676	2421	3222	4133	5884	3036	2542	1863
1972 Federal Surplus/Deficit	3738	2809	632	499	-205	-126	3251	3366	3034	2424	3040	5766	3571	2131	2327
1973 Federal Surplus/Deficit	3736	3075	1106	533	-328	168	2083	-1861	-1122	-1159	-1149	965	1488	1255	545
1974 Federal Surplus/Deficit	859	-259	-659	-15	-705	1185	2662	2551	3928	3372	3702	5863	3499	1770	1993
1975 Federal Surplus/Deficit	3470	2909	525	-254	-255	-847	1814	579	2199	687	1769	4381	3543	2372	1539
1976 Federal Surplus/Deficit	1282	905	495	1134	750	3575	3124	2637	1706	3739	4011	6032	3765	2381	2547
1977 Federal Surplus/Deficit	3277	3431	3345	368	-313	-1035	-50	-2248	-1812	-1556	-1951	-232	281	367	23
1978 Federal Surplus/Deficit	580	207	-311	-277	-482	-779	1108	451	1877	3045	1756	3808	3316	3155	1222
<b>-Ranked Averages-</b>															
Top Ten Percent	2513	1763	620	1008	434	2445	3186	2532	2389	3328	3773	5818	3516	2705	2528
Middle Eighty Percent	1872	896	350	365	-200	-185	1283	382	878	1535	2185	4201	3189	2226	1311
Bottom Ten Percent	1716	256	-87	121	-156	-1125	-1661	-1956	-979	-560	-1260	-408	1579	1141	-288







THIS PAGE INTENTIONALLY LEFT BLANK

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

THIS PAGE INTENTIONALLY LEFT BLANK



50-Water Year Surplus/Deficit  
Regional Tables  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System























THIS PAGE INTENTIONALLY LEFT BLANK

# Section 8

## Monthly OY 2008 – 2017

### Average Energy in Megawatts

	<u>Table Number</u>
Total Retail Loads	A-1
Exports	A-2
Regulated Hydro Projects	A-3
Independent Hydro Projects	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 <sup>1</sup>
Canadian Entitlement Return for CSPE	A-12 <sup>2</sup>
Columbia Storage Power Exchange Purchase (CSPE)	A-13 <sup>2</sup>
Supplemental & Entitlement Capacity	A-14 <sup>2</sup>
Canadian Entitlement Return for Canada	A-15
Intra-Regional Transfers	A-16
Capacity Reserves	A-17 <sup>3</sup>
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 Sale Contracts	A-22
Non-Utility Generating Resources by Owner	A-23
Non-Utility Generating Resources by Project and Project Type	A-24
Dedicated Resources	A-26
Other Dedicated Resources	A-27

---

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

<sup>2</sup> Table is obsolete due to expiration of contract on March 31, 2003.

<sup>3</sup> Capacity Reserves are not applicable to energy.

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-1  
Total Retail Loads  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	135	135	123	132	146	158	160	154	142	132	131	128	129	139	140
<b>2 Total Federal Entities</b>	<b>135</b>	<b>135</b>	<b>123</b>	<b>132</b>	<b>146</b>	<b>158</b>	<b>160</b>	<b>154</b>	<b>142</b>	<b>132</b>	<b>131</b>	<b>128</b>	<b>129</b>	<b>139</b>	<b>140</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	588	588	588	638	638	638	638	638	638	638	638	638	638	638	630
<b>6 Total Direct Service Industry</b>	<b>588</b>	<b>588</b>	<b>588</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>630</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4593	4593	4595	4812	5510	5971	6139	5791	5500	5229	5217	4903	4717	4760	5210
<b>8 Total Generating Public Entities</b>	<b>4593</b>	<b>4593</b>	<b>4595</b>	<b>4812</b>	<b>5510</b>	<b>5971</b>	<b>6139</b>	<b>5791</b>	<b>5500</b>	<b>5229</b>	<b>5217</b>	<b>4903</b>	<b>4717</b>	<b>4760</b>	<b>5210</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3651	3651	3291	3361	3813	4249	4247	4083	3699	3497	3487	3476	3655	3860	3740
<b>10 Total Non-Generating Public Entities</b>	<b>3651</b>	<b>3651</b>	<b>3291</b>	<b>3361</b>	<b>3813</b>	<b>4249</b>	<b>4247</b>	<b>4083</b>	<b>3699</b>	<b>3497</b>	<b>3487</b>	<b>3476</b>	<b>3655</b>	<b>3860</b>	<b>3740</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11266	11255	10433	10588	11484	12611	12865	12304	11407	10611	10585	10454	10783	11399	11349
<b>12 Total Investor-Owned Entities</b>	<b>11266</b>	<b>11255</b>	<b>10433</b>	<b>10588</b>	<b>11484</b>	<b>12611</b>	<b>12865</b>	<b>12304</b>	<b>11407</b>	<b>10611</b>	<b>10585</b>	<b>10454</b>	<b>10783</b>	<b>11399</b>	<b>11349</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
<b>14 Total Other Firm Loads</b>	<b>312</b>	<b>312</b>	<b>302</b>	<b>300</b>	<b>307</b>	<b>315</b>	<b>319</b>	<b>312</b>	<b>311</b>	<b>298</b>	<b>298</b>	<b>298</b>	<b>306</b>	<b>318</b>	<b>308</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	387	394	342	226	160	189	231	233	193	337	374	417	416	449	300
16 Direct Service Industry	588	588	588	638	638	638	638	638	638	638	638	638	638	638	630
17 Public Entities	8244	8244	7885	8173	9324	10220	10387	9874	9199	8726	8703	8379	8372	8620	8949
18 Investor-Owned Entities	11266	11255	10433	10588	11484	12611	12865	12304	11407	10611	10585	10454	10783	11399	11349
19 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
<b>20 Total Regional Firm Loads</b>	<b>20796</b>	<b>20793</b>	<b>19550</b>	<b>19925</b>	<b>21913</b>	<b>23973</b>	<b>24439</b>	<b>23362</b>	<b>21748</b>	<b>20610</b>	<b>20598</b>	<b>20187</b>	<b>20514</b>	<b>21425</b>	<b>21536</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	387	394	342	226	160	189	231	233	193	337	374	417	416	449	300
30 Direct Service Industry	588	588	588	638	638	638	638	638	638	638	638	638	638	638	630
31 Public Entities	8244	8244	7885	8173	9324	10220	10387	9874	9199	8726	8703	8379	8372	8620	8949
32 Investor-Owned Entities	11266	11255	10448	10588	11484	12611	12869	12327	11462	10644	10618	10454	10783	11399	11360
33 Other Entities	312	312	302	300	307	315	319	312	311	298	298	298	306	318	308
<b>34 Total Regional Loads</b>	<b>20796</b>	<b>20793</b>	<b>19565</b>	<b>19925</b>	<b>21913</b>	<b>23973</b>	<b>24442</b>	<b>23385</b>	<b>21803</b>	<b>20644</b>	<b>20631</b>	<b>20187</b>	<b>20514</b>	<b>21425</b>	<b>21547</b>



Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	140	140	128	142	158	171	174	167	154	142	141	137	139	149	150
<b>2 Total Federal Entities</b>	<b>140</b>	<b>140</b>	<b>128</b>	<b>142</b>	<b>158</b>	<b>171</b>	<b>174</b>	<b>167</b>	<b>154</b>	<b>142</b>	<b>141</b>	<b>137</b>	<b>139</b>	<b>149</b>	<b>150</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
<b>6 Total Direct Service Industry</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4765	4765	4772	4983	5684	6136	6289	5993	5631	5337	5325	4997	4806	4846	5353
<b>8 Total Generating Public Entities</b>	<b>4765</b>	<b>4765</b>	<b>4772</b>	<b>4983</b>	<b>5684</b>	<b>6136</b>	<b>6289</b>	<b>5993</b>	<b>5631</b>	<b>5337</b>	<b>5325</b>	<b>4997</b>	<b>4806</b>	<b>4846</b>	<b>5353</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3752	3752	3385	3452	3912	4358	4360	4210	3792	3581	3571	3557	3744	3957	3838
<b>10 Total Non-Generating Public Entities</b>	<b>3752</b>	<b>3752</b>	<b>3385</b>	<b>3452</b>	<b>3912</b>	<b>4358</b>	<b>4360</b>	<b>4210</b>	<b>3792</b>	<b>3581</b>	<b>3571</b>	<b>3557</b>	<b>3744</b>	<b>3957</b>	<b>3838</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11358	11347	10548	10695	11581	12801	12989	12439	11529	10720	10694	10545	11022	11695	11492
<b>12 Total Investor-Owned Entities</b>	<b>11358</b>	<b>11347</b>	<b>10548</b>	<b>10695</b>	<b>11581</b>	<b>12801</b>	<b>12989</b>	<b>12439</b>	<b>11529</b>	<b>10720</b>	<b>10694</b>	<b>10545</b>	<b>11022</b>	<b>11695</b>	<b>11492</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
<b>14 Total Other Firm Loads</b>	<b>312</b>	<b>312</b>	<b>302</b>	<b>299</b>	<b>307</b>	<b>315</b>	<b>318</b>	<b>312</b>	<b>311</b>	<b>298</b>	<b>298</b>	<b>298</b>	<b>306</b>	<b>318</b>	<b>308</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	393	400	347	236	172	202	244	246	204	347	384	427	425	460	311
16 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
17 Public Entities	8517	8517	8157	8435	9596	10494	10649	10203	9423	8918	8896	8554	8550	8803	9191
18 Investor-Owned Entities	11358	11347	10548	10695	11581	12801	12989	12439	11529	10720	10694	10545	11022	11695	11492
19 Other Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
<b>20 Total Regional Firm Loads</b>	<b>21217</b>	<b>21214</b>	<b>19992</b>	<b>20304</b>	<b>22295</b>	<b>24450</b>	<b>24839</b>	<b>23838</b>	<b>22105</b>	<b>20921</b>	<b>20909</b>	<b>20461</b>	<b>20941</b>	<b>21914</b>	<b>21939</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	393	400	347	236	172	202	244	246	204	347	384	427	425	460	311
30 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
31 Public Entities	8517	8517	8157	8435	9596	10494	10649	10203	9423	8918	8896	8554	8550	8803	9191
32 Investor-Owned Entities	11358	11347	10562	10695	11581	12801	12993	12462	11583	10754	10728	10545	11022	11695	11503
33 Other Entities	312	312	302	299	307	315	318	312	311	298	298	298	306	318	308
<b>34 Total Regional Loads</b>	<b>21217</b>	<b>21214</b>	<b>20006</b>	<b>20304</b>	<b>22295</b>	<b>24450</b>	<b>24842</b>	<b>23861</b>	<b>22159</b>	<b>20955</b>	<b>20943</b>	<b>20461</b>	<b>20941</b>	<b>21914</b>	<b>21950</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	151	151	138	143	159	172	175	169	155	143	142	138	140	151	153
<b>2 Total Federal Entities</b>	<b>151</b>	<b>151</b>	<b>138</b>	<b>143</b>	<b>159</b>	<b>172</b>	<b>175</b>	<b>169</b>	<b>155</b>	<b>143</b>	<b>142</b>	<b>138</b>	<b>140</b>	<b>151</b>	<b>153</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
<b>6 Total Direct Service Industry</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4848	4848	4853	5075	5786	6239	6382	6085	5718	5420	5407	5074	4884	4926	5440
<b>8 Total Generating Public Entities</b>	<b>4848</b>	<b>4848</b>	<b>4853</b>	<b>5075</b>	<b>5786</b>	<b>6239</b>	<b>6382</b>	<b>6085</b>	<b>5718</b>	<b>5420</b>	<b>5407</b>	<b>5074</b>	<b>4884</b>	<b>4926</b>	<b>5440</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3844	3844	3469	3517	3987	4439	4443	4290	3867	3655	3645	3626	3818	4038	3915
<b>10 Total Non-Generating Public Entities</b>	<b>3844</b>	<b>3844</b>	<b>3469</b>	<b>3517</b>	<b>3987</b>	<b>4439</b>	<b>4443</b>	<b>4290</b>	<b>3867</b>	<b>3655</b>	<b>3645</b>	<b>3626</b>	<b>3818</b>	<b>4038</b>	<b>3915</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11512	11500	10686	10821	11740	12960	13160	12527	11679	10854	10828	10530	11129	11878	11621
<b>12 Total Investor-Owned Entities</b>	<b>11512</b>	<b>11500</b>	<b>10686</b>	<b>10821</b>	<b>11740</b>	<b>12960</b>	<b>13160</b>	<b>12527</b>	<b>11679</b>	<b>10854</b>	<b>10828</b>	<b>10530</b>	<b>11129</b>	<b>11878</b>	<b>11621</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
<b>14 Total Other Firm Loads</b>	<b>312</b>	<b>312</b>	<b>302</b>	<b>300</b>	<b>307</b>	<b>315</b>	<b>319</b>	<b>313</b>	<b>312</b>	<b>299</b>	<b>299</b>	<b>299</b>	<b>307</b>	<b>319</b>	<b>309</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	403	410	357	237	174	204	245	248	205	348	385	428	426	461	313
16 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
17 Public Entities	8692	8692	8322	8591	9773	10678	10824	10375	9586	9075	9052	8700	8701	8964	9356
18 Investor-Owned Entities	11512	11500	10686	10821	11740	12960	13160	12527	11679	10854	10828	10530	11129	11878	11621
19 Other Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
<b>20 Total Regional Firm Loads</b>	<b>21556</b>	<b>21552</b>	<b>20305</b>	<b>20587</b>	<b>22631</b>	<b>24795</b>	<b>25187</b>	<b>24100</b>	<b>22420</b>	<b>21214</b>	<b>21201</b>	<b>20595</b>	<b>21202</b>	<b>22260</b>	<b>22237</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	403	410	357	237	174	204	245	248	205	348	385	428	426	461	313
30 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
31 Public Entities	8692	8692	8322	8591	9773	10678	10824	10375	9586	9075	9052	8700	8701	8964	9356
32 Investor-Owned Entities	11512	11500	10701	10821	11740	12960	13163	12550	11733	10888	10861	10530	11129	11878	11632
33 Other Entities	312	312	302	300	307	315	319	313	312	299	299	299	307	319	309
<b>34 Total Regional Loads</b>	<b>21556</b>	<b>21552</b>	<b>20320</b>	<b>20587</b>	<b>22631</b>	<b>24795</b>	<b>25190</b>	<b>24123</b>	<b>22474</b>	<b>21248</b>	<b>21235</b>	<b>20595</b>	<b>21202</b>	<b>22260</b>	<b>22248</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	152	152	139	144	161	174	177	170	156	144	143	139	141	152	154
<b>2 Total Federal Entities</b>	<b>152</b>	<b>152</b>	<b>139</b>	<b>144</b>	<b>161</b>	<b>174</b>	<b>177</b>	<b>170</b>	<b>156</b>	<b>144</b>	<b>143</b>	<b>139</b>	<b>141</b>	<b>152</b>	<b>154</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
<b>6 Total Direct Service Industry</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>638</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4929	4929	4925	5128	5852	6309	6449	6149	5776	5474	5461	5125	4934	4978	5502
<b>8 Total Generating Public Entities</b>	<b>4929</b>	<b>4929</b>	<b>4925</b>	<b>5128</b>	<b>5852</b>	<b>6309</b>	<b>6449</b>	<b>6149</b>	<b>5776</b>	<b>5474</b>	<b>5461</b>	<b>5125</b>	<b>4934</b>	<b>4978</b>	<b>5502</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3920	3920	3541	3574	4049	4507	4513	4357	3928	3711	3702	3679	3875	4101	3979
<b>10 Total Non-Generating Public Entities</b>	<b>3920</b>	<b>3920</b>	<b>3541</b>	<b>3574</b>	<b>4049</b>	<b>4507</b>	<b>4513</b>	<b>4357</b>	<b>3928</b>	<b>3711</b>	<b>3702</b>	<b>3679</b>	<b>3875</b>	<b>4101</b>	<b>3979</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11704	11693	10872	10929	12006	13099	13327	12661	11808	10967	10940	10668	11279	12029	11777
<b>12 Total Investor-Owned Entities</b>	<b>11704</b>	<b>11693</b>	<b>10872</b>	<b>10929</b>	<b>12006</b>	<b>13099</b>	<b>13327</b>	<b>12661</b>	<b>11808</b>	<b>10967</b>	<b>10940</b>	<b>10668</b>	<b>11279</b>	<b>12029</b>	<b>11777</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
<b>14 Total Other Firm Loads</b>	<b>313</b>	<b>313</b>	<b>303</b>	<b>301</b>	<b>309</b>	<b>317</b>	<b>321</b>	<b>314</b>	<b>313</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>308</b>	<b>321</b>	<b>310</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	404	411	358	239	175	205	247	249	207	349	386	429	428	462	314
16 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
17 Public Entities	8849	8849	8466	8702	9901	10816	10961	10507	9705	9185	9163	8805	8810	9079	9481
18 Investor-Owned Entities	11704	11693	10872	10929	12006	13099	13327	12661	11808	10967	10940	10668	11279	12029	11777
19 Other Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
<b>20 Total Regional Firm Loads</b>	<b>21909</b>	<b>21905</b>	<b>20637</b>	<b>20809</b>	<b>23028</b>	<b>25075</b>	<b>25494</b>	<b>24370</b>	<b>22670</b>	<b>21440</b>	<b>21427</b>	<b>20840</b>	<b>21462</b>	<b>22528</b>	<b>22521</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	404	411	358	239	175	205	247	249	207	349	386	429	428	462	314
30 Direct Service Industry	638	638	638	638	638	638	638	638	638	638	638	638	638	638	638
31 Public Entities	8849	8849	8466	8702	9901	10816	10961	10507	9705	9185	9163	8805	8810	9079	9481
32 Investor-Owned Entities	11704	11693	10886	10929	12006	13099	13331	12684	11862	11001	10974	10668	11279	12029	11788
33 Other Entities	313	313	303	301	309	317	321	314	313	300	300	300	308	321	310
<b>34 Total Regional Loads</b>	<b>21909</b>	<b>21905</b>	<b>20652</b>	<b>20809</b>	<b>23028</b>	<b>25075</b>	<b>25498</b>	<b>24393</b>	<b>22724</b>	<b>21474</b>	<b>21461</b>	<b>20840</b>	<b>21462</b>	<b>22528</b>	<b>22532</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	154	154	140	145	162	175	178	170	158	145	145	140	142	153	155
<b>2 Total Federal Entities</b>	<b>154</b>	<b>154</b>	<b>140</b>	<b>145</b>	<b>162</b>	<b>175</b>	<b>178</b>	<b>170</b>	<b>158</b>	<b>145</b>	<b>145</b>	<b>140</b>	<b>142</b>	<b>153</b>	<b>155</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	638	638	638	668	668	668	668	668	668	668	668	668	668	668	663
<b>6 Total Direct Service Industry</b>	<b>638</b>	<b>638</b>	<b>638</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>663</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	4982	4982	4976	5186	5920	6382	6520	6143	5848	5542	5529	5190	4999	5044	5561
<b>8 Total Generating Public Entities</b>	<b>4982</b>	<b>4982</b>	<b>4976</b>	<b>5186</b>	<b>5920</b>	<b>6382</b>	<b>6520</b>	<b>6143</b>	<b>5848</b>	<b>5542</b>	<b>5529</b>	<b>5190</b>	<b>4999</b>	<b>5044</b>	<b>5561</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	3981	3981	3596	3632	4114	4579	4586	4408	3993	3772	3762	3736	3935	4167	4041
<b>10 Total Non-Generating Public Entities</b>	<b>3981</b>	<b>3981</b>	<b>3596</b>	<b>3632</b>	<b>4114</b>	<b>4579</b>	<b>4586</b>	<b>4408</b>	<b>3993</b>	<b>3772</b>	<b>3762</b>	<b>3736</b>	<b>3935</b>	<b>4167</b>	<b>4041</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	11869	11857	11005	11053	12142	13242	13475	12721	11972	11121	11094	10819	11405	12190	11916
<b>12 Total Investor-Owned Entities</b>	<b>11869</b>	<b>11857</b>	<b>11005</b>	<b>11053</b>	<b>12142</b>	<b>13242</b>	<b>13475</b>	<b>12721</b>	<b>11972</b>	<b>11121</b>	<b>11094</b>	<b>10819</b>	<b>11405</b>	<b>12190</b>	<b>11916</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
<b>14 Total Other Firm Loads</b>	<b>315</b>	<b>315</b>	<b>305</b>	<b>303</b>	<b>310</b>	<b>318</b>	<b>323</b>	<b>316</b>	<b>315</b>	<b>301</b>	<b>301</b>	<b>301</b>	<b>310</b>	<b>322</b>	<b>312</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	406	413	359	240	176	207	248	249	208	351	387	430	429	464	316
16 Direct Service Industry	638	638	638	668	668	668	668	668	668	668	668	668	668	668	663
17 Public Entities	8963	8963	8573	8818	10034	10961	11106	10551	9841	9314	9290	8926	8934	9211	9602
18 Investor-Owned Entities	11869	11857	11005	11053	12142	13242	13475	12721	11972	11121	11094	10819	11405	12190	11916
19 Other Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
<b>20 Total Regional Firm Loads</b>	<b>22191</b>	<b>22186</b>	<b>20880</b>	<b>21081</b>	<b>23330</b>	<b>25396</b>	<b>25820</b>	<b>24506</b>	<b>23004</b>	<b>21755</b>	<b>21741</b>	<b>21145</b>	<b>21745</b>	<b>22855</b>	<b>22808</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	406	413	359	240	176	207	248	249	208	351	387	430	429	464	316
30 Direct Service Industry	638	638	638	668	668	668	668	668	668	668	668	668	668	668	663
31 Public Entities	8963	8963	8573	8818	10034	10961	11106	10551	9841	9314	9290	8926	8934	9211	9602
32 Investor-Owned Entities	11869	11857	11020	11053	12142	13242	13479	12744	12026	11154	11127	10819	11405	12190	11927
33 Other Entities	315	315	305	303	310	318	323	316	315	301	301	301	310	322	312
<b>34 Total Regional Loads</b>	<b>22191</b>	<b>22186</b>	<b>20894</b>	<b>21081</b>	<b>23330</b>	<b>25396</b>	<b>25823</b>	<b>24529</b>	<b>23059</b>	<b>21788</b>	<b>21774</b>	<b>21145</b>	<b>21745</b>	<b>22855</b>	<b>22819</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	155	155	141	146	163	176	179	173	159	146	146	141	143	155	156
<b>2 Total Federal Entities</b>	<b>155</b>	<b>155</b>	<b>141</b>	<b>146</b>	<b>163</b>	<b>176</b>	<b>179</b>	<b>173</b>	<b>159</b>	<b>146</b>	<b>146</b>	<b>141</b>	<b>143</b>	<b>155</b>	<b>156</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	5047	5047	5039	5240	5981	6448	6587	6281	5892	5582	5569	5228	5036	5082	5620
<b>8 Total Generating Public Entities</b>	<b>5047</b>	<b>5047</b>	<b>5039</b>	<b>5240</b>	<b>5981</b>	<b>6448</b>	<b>6587</b>	<b>6281</b>	<b>5892</b>	<b>5582</b>	<b>5569</b>	<b>5228</b>	<b>5036</b>	<b>5082</b>	<b>5620</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	4042	4042	3653	3661	4148	4616	4653	4493	4052	3827	3816	3786	3990	4228	4095
<b>10 Total Non-Generating Public Entities</b>	<b>4042</b>	<b>4042</b>	<b>3653</b>	<b>3661</b>	<b>4148</b>	<b>4616</b>	<b>4653</b>	<b>4493</b>	<b>4052</b>	<b>3827</b>	<b>3816</b>	<b>3786</b>	<b>3990</b>	<b>4228</b>	<b>4095</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12042	12030	11138	11204	12263	13396	13622	13083	12105	11242	11214	10936	11531	12330	12073
<b>12 Total Investor-Owned Entities</b>	<b>12042</b>	<b>12030</b>	<b>11138</b>	<b>11204</b>	<b>12263</b>	<b>13396</b>	<b>13622</b>	<b>13083</b>	<b>12105</b>	<b>11242</b>	<b>11214</b>	<b>10936</b>	<b>11531</b>	<b>12330</b>	<b>12073</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
<b>14 Total Other Firm Loads</b>	<b>317</b>	<b>317</b>	<b>306</b>	<b>304</b>	<b>311</b>	<b>320</b>	<b>324</b>	<b>317</b>	<b>316</b>	<b>303</b>	<b>303</b>	<b>303</b>	<b>311</b>	<b>324</b>	<b>313</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	407	414	360	240	177	207	250	252	209	352	388	431	430	465	317
16 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
17 Public Entities	9089	9089	8693	8901	10129	11064	11239	10774	9944	9409	9385	9014	9026	9310	9715
18 Investor-Owned Entities	12042	12030	11138	11204	12263	13396	13622	13083	12105	11242	11214	10936	11531	12330	12073
19 Other Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
<b>20 Total Regional Firm Loads</b>	<b>22523</b>	<b>22518</b>	<b>21166</b>	<b>21317</b>	<b>23549</b>	<b>25655</b>	<b>26104</b>	<b>25094</b>	<b>23242</b>	<b>21973</b>	<b>21958</b>	<b>21352</b>	<b>21966</b>	<b>23097</b>	<b>23086</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	407	414	360	240	177	207	250	252	209	352	388	431	430	465	317
30 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
31 Public Entities	9089	9089	8693	8901	10129	11064	11239	10774	9944	9409	9385	9014	9026	9310	9715
32 Investor-Owned Entities	12042	12030	11153	11204	12263	13396	13626	13106	12159	11275	11248	10936	11531	12330	12084
33 Other Entities	317	317	306	304	311	320	324	317	316	303	303	303	311	324	313
<b>34 Total Regional Loads</b>	<b>22523</b>	<b>22518</b>	<b>21180</b>	<b>21317</b>	<b>23549</b>	<b>25655</b>	<b>26107</b>	<b>25117</b>	<b>23297</b>	<b>22007</b>	<b>21992</b>	<b>21352</b>	<b>21966</b>	<b>23097</b>	<b>23096</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	156	156	142	147	164	177	181	174	160	147	147	142	144	157	158
<b>2 Total Federal Entities</b>	<b>156</b>	<b>156</b>	<b>142</b>	<b>147</b>	<b>164</b>	<b>177</b>	<b>181</b>	<b>174</b>	<b>160</b>	<b>147</b>	<b>147</b>	<b>142</b>	<b>144</b>	<b>157</b>	<b>158</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	5085	5085	5076	5301	6051	6524	6664	6308	5960	5645	5632	5288	5096	5144	5678
<b>8 Total Generating Public Entities</b>	<b>5085</b>	<b>5085</b>	<b>5076</b>	<b>5301</b>	<b>6051</b>	<b>6524</b>	<b>6664</b>	<b>6308</b>	<b>5960</b>	<b>5645</b>	<b>5632</b>	<b>5288</b>	<b>5096</b>	<b>5144</b>	<b>5678</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	4101	4101	3708	3718	4212	4686	4725	4562	4115	3886	3875	3841	4049	4293	4158
<b>10 Total Non-Generating Public Entities</b>	<b>4101</b>	<b>4101</b>	<b>3708</b>	<b>3718</b>	<b>4212</b>	<b>4686</b>	<b>4725</b>	<b>4562</b>	<b>4115</b>	<b>3886</b>	<b>3875</b>	<b>3841</b>	<b>4049</b>	<b>4293</b>	<b>4158</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12182	12170	11264	11330	12401	13556	13796	13252	12263	11391	11363	11079	11686	12496	12223
<b>12 Total Investor-Owned Entities</b>	<b>12182</b>	<b>12170</b>	<b>11264</b>	<b>11330</b>	<b>12401</b>	<b>13556</b>	<b>13796</b>	<b>13252</b>	<b>12263</b>	<b>11391</b>	<b>11363</b>	<b>11079</b>	<b>11686</b>	<b>12496</b>	<b>12223</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
<b>14 Total Other Firm Loads</b>	<b>318</b>	<b>318</b>	<b>308</b>	<b>305</b>	<b>313</b>	<b>321</b>	<b>326</b>	<b>319</b>	<b>318</b>	<b>304</b>	<b>304</b>	<b>304</b>	<b>313</b>	<b>325</b>	<b>315</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	409	416	361	242	178	208	251	253	210	353	389	432	431	467	318
16 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
17 Public Entities	9186	9186	8784	9019	10264	11210	11389	10871	10075	9531	9507	9130	9145	9436	9836
18 Investor-Owned Entities	12182	12170	11264	11330	12401	13556	13796	13252	12263	11391	11363	11079	11686	12496	12223
19 Other Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
<b>20 Total Regional Firm Loads</b>	<b>22763</b>	<b>22758</b>	<b>21385</b>	<b>21564</b>	<b>23824</b>	<b>25963</b>	<b>26430</b>	<b>25363</b>	<b>23534</b>	<b>22247</b>	<b>22232</b>	<b>21613</b>	<b>22243</b>	<b>23393</b>	<b>23359</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	409	416	361	242	178	208	251	253	210	353	389	432	431	467	318
30 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
31 Public Entities	9186	9186	8784	9019	10264	11210	11389	10871	10075	9531	9507	9130	9145	9436	9836
32 Investor-Owned Entities	12182	12170	11278	11330	12401	13556	13800	13275	12317	11425	11397	11079	11686	12496	12234
33 Other Entities	318	318	308	305	313	321	326	319	318	304	304	304	313	325	315
<b>34 Total Regional Loads</b>	<b>22763</b>	<b>22758</b>	<b>21399</b>	<b>21564</b>	<b>23824</b>	<b>25963</b>	<b>26434</b>	<b>25386</b>	<b>23589</b>	<b>22281</b>	<b>22266</b>	<b>21613</b>	<b>22243</b>	<b>23393</b>	<b>23370</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	158	158	143	149	166	178	182	176	161	148	148	143	145	158	159
<b>2 Total Federal Entities</b>	<b>158</b>	<b>158</b>	<b>143</b>	<b>149</b>	<b>166</b>	<b>178</b>	<b>182</b>	<b>176</b>	<b>161</b>	<b>148</b>	<b>148</b>	<b>143</b>	<b>145</b>	<b>158</b>	<b>159</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	5146	5146	5136	5362	6123	6601	6743	6339	6028	5710	5696	5349	5157	5206	5741
<b>8 Total Generating Public Entities</b>	<b>5146</b>	<b>5146</b>	<b>5136</b>	<b>5362</b>	<b>6123</b>	<b>6601</b>	<b>6743</b>	<b>6339</b>	<b>6028</b>	<b>5710</b>	<b>5696</b>	<b>5349</b>	<b>5157</b>	<b>5206</b>	<b>5741</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	4163	4163	3766	3776	4278	4757	4798	4634	4180	3946	3935	3897	4109	4359	4221
<b>10 Total Non-Generating Public Entities</b>	<b>4163</b>	<b>4163</b>	<b>3766</b>	<b>3776</b>	<b>4278</b>	<b>4757</b>	<b>4798</b>	<b>4634</b>	<b>4180</b>	<b>3946</b>	<b>3935</b>	<b>3897</b>	<b>4109</b>	<b>4359</b>	<b>4221</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12349	12337	11418	11482	12566	13744	14000	13448	12444	11558	11531	11244	11863	12690	12399
<b>12 Total Investor-Owned Entities</b>	<b>12349</b>	<b>12337</b>	<b>11418</b>	<b>11482</b>	<b>12566</b>	<b>13744</b>	<b>14000</b>	<b>13448</b>	<b>12444</b>	<b>11558</b>	<b>11531</b>	<b>11244</b>	<b>11863</b>	<b>12690</b>	<b>12399</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
<b>14 Total Other Firm Loads</b>	<b>320</b>	<b>320</b>	<b>309</b>	<b>307</b>	<b>314</b>	<b>323</b>	<b>327</b>	<b>320</b>	<b>319</b>	<b>306</b>	<b>306</b>	<b>306</b>	<b>314</b>	<b>327</b>	<b>316</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	410	417	362	243	180	209	253	255	212	354	390	433	432	468	319
16 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
17 Public Entities	9309	9309	8902	9138	10400	11359	11540	10972	10208	9655	9631	9247	9266	9565	9962
18 Investor-Owned Entities	12349	12337	11418	11482	12566	13744	14000	13448	12444	11558	11531	11244	11863	12690	12399
19 Other Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
<b>20 Total Regional Firm Loads</b>	<b>23056</b>	<b>23051</b>	<b>21659</b>	<b>21837</b>	<b>24129</b>	<b>26303</b>	<b>26788</b>	<b>25663</b>	<b>23851</b>	<b>22541</b>	<b>22526</b>	<b>21897</b>	<b>22543</b>	<b>23718</b>	<b>23665</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	410	417	362	243	180	209	253	255	212	354	390	433	432	468	319
30 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
31 Public Entities	9309	9309	8902	9138	10400	11359	11540	10972	10208	9655	9631	9247	9266	9565	9962
32 Investor-Owned Entities	12349	12337	11432	11482	12566	13744	14003	13471	12499	11592	11565	11244	11863	12690	12410
33 Other Entities	320	320	309	307	314	323	327	320	319	306	306	306	314	327	316
<b>34 Total Regional Loads</b>	<b>23056</b>	<b>23051</b>	<b>21674</b>	<b>21837</b>	<b>24129</b>	<b>26303</b>	<b>26792</b>	<b>25686</b>	<b>23905</b>	<b>22575</b>	<b>22560</b>	<b>21897</b>	<b>22543</b>	<b>23718</b>	<b>23675</b>

Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	160	160	144	150	168	180	184	175	163	149	149	145	146	160	160
<b>2 Total Federal Entities</b>	<b>160</b>	<b>160</b>	<b>144</b>	<b>150</b>	<b>168</b>	<b>180</b>	<b>184</b>	<b>175</b>	<b>163</b>	<b>149</b>	<b>149</b>	<b>145</b>	<b>146</b>	<b>160</b>	<b>160</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	5209	5209	5196	5427	6198	6681	6824	6250	6099	5777	5763	5413	5220	5271	5797
<b>8 Total Generating Public Entities</b>	<b>5209</b>	<b>5209</b>	<b>5196</b>	<b>5427</b>	<b>6198</b>	<b>6681</b>	<b>6824</b>	<b>6250</b>	<b>6099</b>	<b>5777</b>	<b>5763</b>	<b>5413</b>	<b>5220</b>	<b>5271</b>	<b>5797</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	4226	4226	3824	3836	4346	4832	4874	4681	4247	4008	3997	3956	4172	4428	4285
<b>10 Total Non-Generating Public Entities</b>	<b>4226</b>	<b>4226</b>	<b>3824</b>	<b>3836</b>	<b>4346</b>	<b>4832</b>	<b>4874</b>	<b>4681</b>	<b>4247</b>	<b>4008</b>	<b>3997</b>	<b>3956</b>	<b>4172</b>	<b>4428</b>	<b>4285</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12541	12529	11593	11654	12753	13945	14203	13410	12627	11725	11697	11407	12041	12885	12564
<b>12 Total Investor-Owned Entities</b>	<b>12541</b>	<b>12529</b>	<b>11593</b>	<b>11654</b>	<b>12753</b>	<b>13945</b>	<b>14203</b>	<b>13410</b>	<b>12627</b>	<b>11725</b>	<b>11697</b>	<b>11407</b>	<b>12041</b>	<b>12885</b>	<b>12564</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
<b>14 Total Other Firm Loads</b>	<b>321</b>	<b>321</b>	<b>310</b>	<b>308</b>	<b>316</b>	<b>324</b>	<b>329</b>	<b>322</b>	<b>321</b>	<b>307</b>	<b>307</b>	<b>307</b>	<b>316</b>	<b>329</b>	<b>318</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	412	419	364	245	182	211	254	254	213	355	391	434	433	470	321
16 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
17 Public Entities	9435	9435	9021	9263	10544	11514	11698	10931	10347	9785	9760	9370	9392	9699	10082
18 Investor-Owned Entities	12541	12529	11593	11654	12753	13945	14203	13410	12627	11725	11697	11407	12041	12885	12564
19 Other Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
<b>20 Total Regional Firm Loads</b>	<b>23378</b>	<b>23372</b>	<b>21956</b>	<b>22138</b>	<b>24463</b>	<b>26662</b>	<b>27152</b>	<b>25585</b>	<b>24175</b>	<b>22840</b>	<b>22824</b>	<b>22186</b>	<b>22850</b>	<b>24050</b>	<b>23952</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	412	419	364	245	182	211	254	254	213	355	391	434	433	470	321
30 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
31 Public Entities	9435	9435	9021	9263	10544	11514	11698	10931	10347	9785	9760	9370	9392	9699	10082
32 Investor-Owned Entities	12541	12529	11608	11654	12753	13945	14206	13433	12681	11759	11731	11407	12041	12885	12574
33 Other Entities	321	321	310	308	316	324	329	322	321	307	307	307	316	329	318
<b>34 Total Regional Loads</b>	<b>23378</b>	<b>23372</b>	<b>21970</b>	<b>22138</b>	<b>24463</b>	<b>26662</b>	<b>27156</b>	<b>25608</b>	<b>24230</b>	<b>22874</b>	<b>22857</b>	<b>22186</b>	<b>22850</b>	<b>24050</b>	<b>23963</b>



Table A-1: Pacific Northwest Total Retail Loads  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>Firm Loads</b>															
<i>-Federal Entities-</i>															
1 Federal Entities	161	161	146	152	170	181	185	179	164	150	150	146	147	162	162
<b>2 Total Federal Entities</b>	<b>161</b>	<b>161</b>	<b>146</b>	<b>152</b>	<b>170</b>	<b>181</b>	<b>185</b>	<b>179</b>	<b>164</b>	<b>150</b>	<b>150</b>	<b>146</b>	<b>147</b>	<b>162</b>	<b>162</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
<b>6 Total Direct Service Industry</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>	<b>668</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	5274	5274	5260	5489	6269	6759	6904	6406	6168	5841	5828	5475	5281	5334	5871
<b>8 Total Generating Public Entities</b>	<b>5274</b>	<b>5274</b>	<b>5260</b>	<b>5489</b>	<b>6269</b>	<b>6759</b>	<b>6904</b>	<b>6406</b>	<b>6168</b>	<b>5841</b>	<b>5828</b>	<b>5475</b>	<b>5281</b>	<b>5334</b>	<b>5871</b>
<i>-Non-Generating Public Entities-</i>															
9 Non-Generating Public Entities	4291	4291	3885	3890	4407	4899	4929	4760	4296	4054	4043	4000	4220	4480	4342
<b>10 Total Non-Generating Public Entities</b>	<b>4291</b>	<b>4291</b>	<b>3885</b>	<b>3890</b>	<b>4407</b>	<b>4899</b>	<b>4929</b>	<b>4760</b>	<b>4296</b>	<b>4054</b>	<b>4043</b>	<b>4000</b>	<b>4220</b>	<b>4480</b>	<b>4342</b>
<i>-Investor-Owned Entities-</i>															
11 Investor-Owned Entities	12736	12724	11767	11826	12939	14136	14390	13597	12797	11882	11854	11559	12205	13064	12740
<b>12 Total Investor-Owned Entities</b>	<b>12736</b>	<b>12724</b>	<b>11767</b>	<b>11826</b>	<b>12939</b>	<b>14136</b>	<b>14390</b>	<b>13597</b>	<b>12797</b>	<b>11882</b>	<b>11854</b>	<b>11559</b>	<b>12205</b>	<b>13064</b>	<b>12740</b>
<i>-Other Firm Loads-</i>															
13 Other PNW Entities	323	323	312	310	318	326	331	324	323	308	308	309	317	331	319
<b>14 Total Other Firm Loads</b>	<b>323</b>	<b>323</b>	<b>312</b>	<b>310</b>	<b>318</b>	<b>326</b>	<b>331</b>	<b>324</b>	<b>323</b>	<b>308</b>	<b>308</b>	<b>309</b>	<b>317</b>	<b>331</b>	<b>319</b>
<i>-Total Regional Firm Loads-</i>															
15 Federal Entities	414	421	365	246	184	212	255	258	214	356	392	435	434	472	322
16 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
17 Public Entities	9565	9565	9145	9379	10677	11658	11833	11166	10464	9896	9871	9474	9501	9814	10213
18 Investor-Owned Entities	12736	12724	11767	11826	12939	14136	14390	13597	12797	11882	11854	11559	12205	13064	12740
19 Other Entities	323	323	312	310	318	326	331	324	323	308	308	309	317	331	319
<b>20 Total Regional Firm Loads</b>	<b>23706</b>	<b>23700</b>	<b>22257</b>	<b>22430</b>	<b>24786</b>	<b>27001</b>	<b>27477</b>	<b>26013</b>	<b>24466</b>	<b>23111</b>	<b>23094</b>	<b>22446</b>	<b>23125</b>	<b>24349</b>	<b>24263</b>
<b>Non-Firm Loads</b>															
<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
<b>22 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<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
<b>28 Total Regional Non-Firm Loads</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3.5</b>	<b>23</b>	<b>54</b>	<b>34</b>	<b>34</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>
<i>-Total Regional Loads-</i>															
29 Federal Entities	414	421	365	246	184	212	255	258	214	356	392	435	434	472	322
30 Direct Service Industry	668	668	668	668	668	668	668	668	668	668	668	668	668	668	668
31 Public Entities	9565	9565	9145	9379	10677	11658	11833	11166	10464	9896	9871	9474	9501	9814	10213
32 Investor-Owned Entities	12736	12724	11782	11826	12939	14136	14394	13620	12851	11916	11888	11559	12205	13064	12751
33 Other Entities	323	323	312	310	318	326	331	324	323	308	308	309	317	331	319
<b>34 Total Regional Loads</b>	<b>23706</b>	<b>23700</b>	<b>22271</b>	<b>22430</b>	<b>24786</b>	<b>27001</b>	<b>27481</b>	<b>26036</b>	<b>24520</b>	<b>23144</b>	<b>23128</b>	<b>22446</b>	<b>23125</b>	<b>24349</b>	<b>24274</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-2  
Exports  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	70	78	87	102	98	96	85	68	68	68	68	79	81
<b>3 Total Exports to ECD</b>	<b>82</b>	<b>82</b>	<b>78</b>	<b>86</b>	<b>95</b>	<b>110</b>	<b>106</b>	<b>104</b>	<b>93</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>87</b>	<b>89</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
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	11	11	10	0	0	0	0	0	0	0	0	0	10	11	3.5
16 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
17 PPL to SMUD PwrS	100	100	60	58	58	100	100	100	100	100	16	0	0	58	66
18 PSE to PG&E S/Pwr/X	171	171	168	0	0	0	0	0	0	0	0	0	54	159	46
19 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
20 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
21 SHPD to SMUD PwrS	36	36	36	0	0	0	0	0	0	0	0	0	0	0	6
22 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
23 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
<b>24 Total Exports To PSW</b>	<b>608</b>	<b>609</b>	<b>574</b>	<b>336</b>	<b>282</b>	<b>319</b>	<b>316</b>	<b>310</b>	<b>346</b>	<b>318</b>	<b>218</b>	<b>136</b>	<b>371</b>	<b>523</b>	<b>366</b>
<i>-Exports to Inland Southwest-</i>															
25 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<b>26 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
27 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
<b>28 Total Exports To Canada</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<i>-Exports to Other Entities-</i>															
<b>29 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
30 Federal Entities	670	671	664	636	631	644	641	639	628	642	634	662	662	660	648
31 Public Entities	149	149	167	118	107	102	99	93	129	100	97	57	144	136	117
32 Investor-Owned Entities	429	429	378	196	167	210	210	210	210	210	121	51	199	371	233
33 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>34 Total Exports.</b>	<b>1248</b>	<b>1249</b>	<b>1210</b>	<b>950</b>	<b>905</b>	<b>956</b>	<b>950</b>	<b>942</b>	<b>967</b>	<b>952</b>	<b>851</b>	<b>770</b>	<b>1005</b>	<b>1168</b>	<b>998</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	76	76	70	50	56	65	62	61	54	43	43	44	44	51	56
<b>3 Total Exports to ECD</b>	<b>84</b>	<b>84</b>	<b>78</b>	<b>58</b>	<b>64</b>	<b>73</b>	<b>70</b>	<b>69</b>	<b>62</b>	<b>51</b>	<b>51</b>	<b>52</b>	<b>52</b>	<b>59</b>	<b>64</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
11 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
12 PGE to GLEN S/Pwr/X	10	10	11	0	0	0	0	0	0	0	0	0	11	11	3.5
13 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
14 PPL to SMUD PwrS	100	100	62	58	56	100	100	100	100	100	16	0	0	58	66
15 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
16 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
17 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
18 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
19 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
<b>20 Total Exports To PSW</b>	<b>568</b>	<b>567</b>	<b>524</b>	<b>325</b>	<b>272</b>	<b>312</b>	<b>308</b>	<b>304</b>	<b>338</b>	<b>310</b>	<b>218</b>	<b>135</b>	<b>372</b>	<b>523</b>	<b>354</b>
<i>-Exports to Inland Southwest-</i>															
21 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<b>22 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
23 BPA to BCHP CanEnt	465	465	465	465	465	465	465	465	465	465	465	465	465	465	465
<b>24 Total Exports To Canada</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>	<b>465</b>
<i>-Exports to Other Entities-</i>															
<b>25 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
26 Federal Entities	639	637	633	579	573	583	580	578	572	591	591	619	620	614	598
27 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
28 Investor-Owned Entities	441	441	378	196	165	210	210	210	210	210	121	51	200	371	234
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>30 Total Exports.</b>	<b>1193</b>	<b>1191</b>	<b>1143</b>	<b>893</b>	<b>845</b>	<b>894</b>	<b>888</b>	<b>882</b>	<b>910</b>	<b>901</b>	<b>808</b>	<b>727</b>	<b>964</b>	<b>1122</b>	<b>943</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	45	46	52	60	58	57	50	40	40	41	41	48	49
<b>3 Total Exports to ECD</b>	<b>57</b>	<b>57</b>	<b>53</b>	<b>54</b>	<b>60</b>	<b>68</b>	<b>66</b>	<b>65</b>	<b>58</b>	<b>48</b>	<b>48</b>	<b>49</b>	<b>49</b>	<b>56</b>	<b>57</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
11 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
12 PGE to GLEN S/Pwr/X	10	10	11	0	0	0	0	0	0	0	0	0	11	11	3.5
13 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
14 PPL to SMUD PwrS	100	100	62	58	56	100	100	100	100	100	16	0	0	58	66
15 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
16 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
17 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
18 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
19 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
<b>20 Total Exports To PSW</b>	<b>567</b>	<b>568</b>	<b>524</b>	<b>324</b>	<b>272</b>	<b>312</b>	<b>308</b>	<b>304</b>	<b>339</b>	<b>310</b>	<b>218</b>	<b>135</b>	<b>365</b>	<b>515</b>	<b>352</b>
<i>-Exports to Inland Southwest-</i>															
21 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<b>22 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
23 BPA to BCHP CanEnt	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
<b>24 Total Exports To Canada</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>	<b>567</b>
<i>-Exports to Other Entities-</i>															
<b>25 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
26 Federal Entities	713	713	710	676	671	680	677	676	670	690	690	718	712	705	692
27 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
28 Investor-Owned Entities	441	441	378	196	165	210	210	210	210	210	121	51	200	371	234
29 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>30 Total Exports.</b>	<b>1267</b>	<b>1267</b>	<b>1219</b>	<b>990</b>	<b>944</b>	<b>992</b>	<b>986</b>	<b>980</b>	<b>1009</b>	<b>1000</b>	<b>908</b>	<b>826</b>	<b>1056</b>	<b>1213</b>	<b>1036</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	46	46	42	54	60	70	67	66	58	47	47	47	47	55	55
<b>3 Total Exports to ECD</b>	<b>54</b>	<b>54</b>	<b>50</b>	<b>62</b>	<b>68</b>	<b>78</b>	<b>75</b>	<b>74</b>	<b>66</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>55</b>	<b>63</b>	<b>63</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
9 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
10 PGE to GLEN S/Pwr/X	10	10	11	0	0	0	0	0	0	0	0	0	11	10	3.5
11 PPL to REDD PwrS	37	37	31	28	0	0	0	0	0	0	0	23	25	33	15
12 PPL to SMUD PwrS	100	100	62	56	58	100	100	100	100	100	16	0	0	56	66
13 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
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	0.4	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
<b>18 Total Exports To PSW</b>	<b>560</b>	<b>562</b>	<b>517</b>	<b>314</b>	<b>269</b>	<b>307</b>	<b>303</b>	<b>299</b>	<b>334</b>	<b>305</b>	<b>212</b>	<b>129</b>	<b>365</b>	<b>512</b>	<b>347</b>
<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
<b>20 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
21 BPA to BCHP CanEnt	527	527	527	527	527	527	527	527	527	527	527	527	527	527	527
<b>22 Total Exports To Canada</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>	<b>527</b>
<i>-Exports to Other Entities-</i>															
<b>23 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
24 Federal Entities	663	664	660	636	635	645	642	641	633	652	651	678	679	672	653
25 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
26 Investor-Owned Entities	441	441	378	194	167	210	210	210	210	210	121	51	200	368	234
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Total Exports.</b>	<b>1216</b>	<b>1218</b>	<b>1169</b>	<b>948</b>	<b>909</b>	<b>957</b>	<b>950</b>	<b>945</b>	<b>972</b>	<b>961</b>	<b>869</b>	<b>786</b>	<b>1022</b>	<b>1177</b>	<b>997</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	53	53	48	5.1	5.2	6.1	5.4	5.3	4.6	3.4	3.4	4.9	5.3	6.6	13
<b>3 Total Exports to ECD</b>	<b>61</b>	<b>61</b>	<b>56</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>21</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
9 PGE to GLEN PwrS	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
10 PGE to GLEN S/Pwr/X	11	11	11	0	0	0	0	0	0	0	0	0	0	0	1.8
11 PPL to REDD PwrS	37	37	31	28	0	0	0	0	0	0	0	23	25	33	15
12 PPL to SMUD PwrS	100	100	62	56	58	100	100	100	100	100	11	0	0	56	66
13 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
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	0.5	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
<b>18 Total Exports To PSW</b>	<b>562</b>	<b>563</b>	<b>517</b>	<b>314</b>	<b>269</b>	<b>307</b>	<b>303</b>	<b>297</b>	<b>334</b>	<b>304</b>	<b>208</b>	<b>130</b>	<b>354</b>	<b>502</b>	<b>345</b>
<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
<b>20 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
21 BPA to BCHP CanEnt	517	517	517	517	517	517	517	517	517	517	517	517	517	517	517
<b>22 Total Exports To Canada</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>	<b>517</b>
<i>-Exports to Other Entities-</i>															
<b>23 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
24 Federal Entities	661	661	656	578	570	571	570	570	569	598	598	626	626	614	601
25 Public Entities	113	113	131	118	107	102	99	93	129	100	97	57	144	136	111
26 Investor-Owned Entities	442	442	378	194	167	210	210	210	210	210	116	51	189	358	232
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Total Exports.</b>	<b>1215</b>	<b>1216</b>	<b>1165</b>	<b>889</b>	<b>845</b>	<b>883</b>	<b>879</b>	<b>873</b>	<b>908</b>	<b>908</b>	<b>811</b>	<b>734</b>	<b>959</b>	<b>1108</b>	<b>943</b>



Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	5.8	5.8	4.6	5.1	5.2	6.1	5.5	5.3	4.6	3.4	3.4	5	5.3	6.6	5.2
<b>3 Total Exports to ECD</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>13</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
9 PGE to GLEN PwrS	20	20	20	0	0	0	0	0	0	0	0	0	0	0	3.3
10 PGE to GLEN S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
12 PPL to SMUD PwrS	100	100	60	58	58	100	100	100	100	100	16	0	0	58	66
13 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
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	0.5	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
<b>18 Total Exports To PSW</b>	<b>552</b>	<b>553</b>	<b>502</b>	<b>297</b>	<b>249</b>	<b>287</b>	<b>283</b>	<b>279</b>	<b>313</b>	<b>285</b>	<b>193</b>	<b>110</b>	<b>334</b>	<b>485</b>	<b>328</b>
<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
<b>20 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
21 BPA to BCHP CanEnt	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
<b>22 Total Exports To Canada</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>	<b>505</b>
<i>-Exports to Other Entities-</i>															
<b>23 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
24 Federal Entities	602	602	599	567	558	559	558	558	557	586	586	614	614	603	581
25 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
26 Investor-Owned Entities	431	431	365	176	147	190	190	190	190	190	101	31	169	341	214
27 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>28 Total Exports.</b>	<b>1146</b>	<b>1146</b>	<b>1095</b>	<b>860</b>	<b>813</b>	<b>851</b>	<b>847</b>	<b>842</b>	<b>876</b>	<b>876</b>	<b>784</b>	<b>703</b>	<b>927</b>	<b>1080</b>	<b>906</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	5.8	5.8	4.6	5.1	5.2	6.1	5.5	5.3	4.6	3.4	3.4	5	5.3	6.6	5.2
<b>3 Total Exports to ECD</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>13</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
9 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
10 PPL to SMUD PwrS	100	100	60	58	58	100	100	100	100	100	16	0	0	58	66
11 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
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	0.4	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
<b>16 Total Exports To PSW</b>	<b>532</b>	<b>532</b>	<b>483</b>	<b>297</b>	<b>249</b>	<b>287</b>	<b>283</b>	<b>279</b>	<b>313</b>	<b>285</b>	<b>193</b>	<b>109</b>	<b>334</b>	<b>485</b>	<b>324</b>
<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
<b>18 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
19 BPA to BCHP CanEnt	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
<b>20 Total Exports To Canada</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>
<i>-Exports to Other Entities-</i>															
<b>21 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
22 Federal Entities	592	591	589	557	548	549	548	548	547	576	576	604	604	593	571
23 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
24 Investor-Owned Entities	411	411	345	176	147	190	190	190	190	190	101	31	169	341	210
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Exports.</b>	<b>1116</b>	<b>1115</b>	<b>1066</b>	<b>850</b>	<b>803</b>	<b>841</b>	<b>837</b>	<b>832</b>	<b>866</b>	<b>866</b>	<b>774</b>	<b>692</b>	<b>917</b>	<b>1070</b>	<b>892</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	5.8	5.8	4.6	5.1	5.2	6.1	5.5	5.3	4.6	3.4	3.4	5	5.3	6.6	5.2
<b>3 Total Exports to ECD</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>13</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
9 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	23	25	34	15
10 PPL to SMUD PwrS	100	100	62	58	56	100	0	0	0	0	0	0	0	0	31
11 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
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	0.4	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
<b>16 Total Exports To PSW</b>	<b>531</b>	<b>530</b>	<b>486</b>	<b>297</b>	<b>247</b>	<b>287</b>	<b>183</b>	<b>179</b>	<b>214</b>	<b>185</b>	<b>177</b>	<b>106</b>	<b>332</b>	<b>422</b>	<b>289</b>
<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
<b>18 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
19 BPA to BCHP CanEnt	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
<b>20 Total Exports To Canada</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<i>-Exports to Other Entities-</i>															
<b>21 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
22 Federal Entities	580	578	578	545	536	537	536	536	535	564	564	589	590	576	558
23 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
24 Investor-Owned Entities	410	410	347	176	145	190	90	90	90	90	85	31	169	282	176
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Exports.</b>	<b>1103</b>	<b>1102</b>	<b>1057</b>	<b>838</b>	<b>788</b>	<b>829</b>	<b>725</b>	<b>720</b>	<b>754</b>	<b>754</b>	<b>746</b>	<b>677</b>	<b>903</b>	<b>995</b>	<b>845</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	5.8	5.8	4.6	5.1	5.2	6.1	5.5	5.3	4.6	3.4	3.4	5	5.3	6.6	5.2
<b>3 Total Exports to ECD</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>15</b>	<b>13</b>
<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 Other Entities to Other Entities	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
7 PPL to REDD PwrS	37	37	31	29	0	0	0	0	0	0	0	0	0	0	8
8 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
9 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
10 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
11 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
12 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
<b>13 Total Exports To PSW</b>	<b>426</b>	<b>426</b>	<b>420</b>	<b>239</b>	<b>192</b>	<b>187</b>	<b>183</b>	<b>177</b>	<b>214</b>	<b>185</b>	<b>176</b>	<b>57</b>	<b>280</b>	<b>377</b>	<b>244</b>
<i>-Exports to Inland Southwest-</i>															
14 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<b>15 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
16 BPA to BCHP CanEnt	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
<b>17 Total Exports To Canada</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>	<b>471</b>
<i>-Exports to Other Entities-</i>															
<b>18 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
19 Federal Entities	562	562	562	532	524	525	524	524	523	552	552	551	551	553	540
20 Public Entities	113	113	131	118	107	102	99	93	129	100	97	57	144	136	111
21 Investor-Owned Entities	310	310	286	118	90	90	90	90	90	90	85	8	144	249	137
22 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>23 Total Exports.</b>	<b>985</b>	<b>986</b>	<b>979</b>	<b>768</b>	<b>721</b>	<b>717</b>	<b>713</b>	<b>707</b>	<b>742</b>	<b>742</b>	<b>734</b>	<b>616</b>	<b>839</b>	<b>938</b>	<b>789</b>

Table A-2: Regional Exports  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	5.8	5.8	4.6	5.1	5.2	6.1	5.5	5.3	4.6	3.4	3.4	5	5.3	0	4.7
<b>3 Total Exports to ECD</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>14</b>	<b>13</b>	<b>13</b>	<b>11</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>8</b>	<b>13</b>
<i>-Exports to Pacific Southwest-</i>															
4 Other Entities to Other Entities	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
5 PSE to PG&E S/Pwr/X	184	184	165	0	0	0	0	0	0	0	0	0	54	159	47
6 SCL to NCPA S/Pwr/X	19	19	30	14	0	0	0	0	0	0	0	0	30	30	10
7 SDGE to SDGE PwrS	82	82	82	82	82	82	82	82	82	82	77	0	82	82	75
8 TID to TID PwrS	55	55	55	55	55	55	55	55	55	55	52	0	55	55	50
9 BPA NW-SW Intertie Losses	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>10 Total Exports To PSW</b>	<b>378</b>	<b>379</b>	<b>378</b>	<b>199</b>	<b>189</b>	<b>184</b>	<b>181</b>	<b>176</b>	<b>211</b>	<b>182</b>	<b>174</b>	<b>57</b>	<b>280</b>	<b>377</b>	<b>232</b>
<i>-Exports to Inland Southwest-</i>															
11 BPA to SPP PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
<b>12 Total Exports To ISW</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>60</b>
<i>-Exports to Canada-</i>															
13 BPA to BCHP CanEnt	457	457	457	457	457	457	457	457	457	457	457	457	457	457	457
<b>14 Total Exports To Canada</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>	<b>457</b>
<i>-Exports to Other Entities-</i>															
<b>15 Total Exports To Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Exports-</i>															
16 Federal Entities	538	538	537	507	507	508	508	507	507	535	535	537	537	532	522
17 Public Entities	113	113	131	118	107	102	99	94	129	100	97	57	144	136	111
18 Investor-Owned Entities	274	274	255	90	90	90	90	90	90	90	85	8	144	249	129
19 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>20 Total Exports.</b>	<b>924</b>	<b>925</b>	<b>923</b>	<b>714</b>	<b>704</b>	<b>700</b>	<b>696</b>	<b>691</b>	<b>725</b>	<b>725</b>	<b>717</b>	<b>602</b>	<b>825</b>	<b>917</b>	<b>762</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-3  
Regulated Hydro Projects  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	228	138	446	456	524	549	433	474	463	400	172	206	379	211	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	1594	1313	882	1009	1290	1194	896	904	925	921	896	835	1364	1351	1084
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	2940	2378	1604	1875	2378	2134	1590	1623	1568	1476	1395	1414	2537	2532	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	107	169	146	99	141	124	151	177	194	221	319	252	136	169
20 John Day	826	704	760	789	934	916	704	772	826	859	719	780	1006	795	819
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	133	128	185	150	103	144	130	141	175	207	240	349	273	155	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	84	84	188	145	101	143	129	141	174	145	202	356	254	94	165
29 Lower Monumental	83	83	176	149	99	144	126	154	182	106	137	285	213	105	153
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	344	534	550	620	608	464	509	531	468	293	360	540	471	495
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	555	472	613	628	739	736	582	626	673	648	494	528	684	534	619
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
56 Wanapum	270	208	319	379	500	458	332	332	332	153	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352



Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>11844</b>	<b>10151</b>	<b>9564</b>	<b>10174</b>	<b>11765</b>	<b>12169</b>	<b>9699</b>	<b>9210</b>	<b>9764</b>	<b>10165</b>	<b>9052</b>	<b>9835</b>	<b>14001</b>	<b>11879</b>	<b>10722</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	7889	6617	5947	6159	7139	7021	5425	5734	5931	5643	4952	5857	8131	7428	6444
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>11844</b>	<b>10151</b>	<b>9564</b>	<b>10174</b>	<b>11765</b>	<b>12169</b>	<b>9699</b>	<b>9210</b>	<b>9764</b>	<b>10165</b>	<b>9052</b>	<b>9835</b>	<b>14001</b>	<b>11879</b>	<b>10722</b>

**Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2008 - 2009 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)**

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Regulated Hydro Projects-</b>															
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	228	138	446	456	524	549	433	474	463	401	172	206	379	211	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	1594	1313	882	1010	1291	1195	897	905	926	922	897	836	1365	1352	1085
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	52	51	51	51	51	51	51	53	66	290	442	147
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	2945	2382	1607	1889	2395	2149	1601	1647	1579	1487	1405	1424	2555	2550	1959
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	826	704	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	133	128	185	150	103	144	130	141	175	207	240	350	313	224	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	84	84	188	146	101	143	129	141	174	145	202	357	298	225	180
29 Lower Monumental	83	83	176	149	99	144	126	154	182	169	209	356	301	228	182
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	491	418	534	551	621	608	465	509	531	468	293	360	540	389	495
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	555	472	613	628	739	737	582	626	673	648	494	528	685	535	619
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
56 Wanapum	270	208	319	379	500	458	332	332	332	153	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>11935</b>	<b>10229</b>	<b>9567</b>	<b>10191</b>	<b>11786</b>	<b>12188</b>	<b>9713</b>	<b>9236</b>	<b>9779</b>	<b>10242</b>	<b>9136</b>	<b>9919</b>	<b>14196</b>	<b>12143</b>	<b>10791</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	7979	6694	5949	6176	7160	7040	5439	5760	5946	5720	5036	5941	8326	7692	6512
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>11935</b>	<b>10229</b>	<b>9567</b>	<b>10191</b>	<b>11786</b>	<b>12188</b>	<b>9713</b>	<b>9236</b>	<b>9779</b>	<b>10242</b>	<b>9136</b>	<b>9919</b>	<b>14196</b>	<b>12143</b>	<b>10791</b>

Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2009 - 2010 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1596	1314	883	1014	1297	1200	901	909	930	926	901	840	1372	1358	1089
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2966	2400	1618	1892	2399	2153	1604	1652	1582	1490	1408	1427	2560	2555	1964
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12155</b>	<b>10440</b>	<b>9582</b>	<b>10199</b>	<b>11796</b>	<b>12197</b>	<b>9720</b>	<b>9246</b>	<b>9786</b>	<b>10249</b>	<b>9143</b>	<b>9925</b>	<b>14207</b>	<b>12153</b>	<b>10817</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8199	6905	5965	6184	7170	7049	5446	5770	5953	5727	5043	5948	8337	7702	6538
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12155</b>	<b>10440</b>	<b>9582</b>	<b>10199</b>	<b>11796</b>	<b>12197</b>	<b>9720</b>	<b>9246</b>	<b>9786</b>	<b>10249</b>	<b>9143</b>	<b>9925</b>	<b>14207</b>	<b>12153</b>	<b>10817</b>

**Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2010 - 2011 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)**

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1603	1320	887	1028	1315	1216	913	921	942	938	913	851	1390	1377	1102
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2972	2404	1621	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12167</b>	<b>10450</b>	<b>9589</b>	<b>10214</b>	<b>11815</b>	<b>12215</b>	<b>9733</b>	<b>9261</b>	<b>9799</b>	<b>10262</b>	<b>9156</b>	<b>9938</b>	<b>14228</b>	<b>12174</b>	<b>10832</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8211	6916	5971	6199	7190	7067	5459	5785	5966	5741	5056	5960	8357	7723	6553
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12167</b>	<b>10450</b>	<b>9589</b>	<b>10214</b>	<b>11815</b>	<b>12215</b>	<b>9733</b>	<b>9261</b>	<b>9799</b>	<b>10262</b>	<b>9156</b>	<b>9938</b>	<b>14228</b>	<b>12174</b>	<b>10832</b>

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1625	1338	899	1041	1332	1232	925	933	954	951	925	862	1408	1395	1117
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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



Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12191</b>	<b>10470</b>	<b>9602</b>	<b>10227</b>	<b>11833</b>	<b>12231</b>	<b>9745</b>	<b>9273</b>	<b>9812</b>	<b>10275</b>	<b>9168</b>	<b>9949</b>	<b>14246</b>	<b>12192</b>	<b>10847</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8235	6935	5985	6212	7207	7084	5471	5797	5979	5753	5068	5971	8376	7741	6568
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12191</b>	<b>10470</b>	<b>9602</b>	<b>10227</b>	<b>11833</b>	<b>12231</b>	<b>9745</b>	<b>9273</b>	<b>9812</b>	<b>10275</b>	<b>9168</b>	<b>9949</b>	<b>14246</b>	<b>12192</b>	<b>10847</b>

**Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2012 - 2013 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)**

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1647	1356	910	1055	1350	1249	937	945	967	963	937	873	1427	1413	1131
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12213</b>	<b>10488</b>	<b>9614</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10861</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8257	6953	5996	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6583
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12213</b>	<b>10488</b>	<b>9614</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10861</b>

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1668	1373	922	1055	1350	1249	937	945	967	963	937	873	1427	1413	1134
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
56 Wanapum	270	208	319	379	500	458	332	332	332	153	153	153	310	235	319
57 Wells	497	425	291	332	422	390	295	296	303	301	272	259	476	413	352

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>

**Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2014 - 2015 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)**

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1668	1373	922	1055	1350	1249	937	945	967	963	937	873	1427	1413	1134
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1668	1373	922	1055	1350	1249	937	945	967	963	937	873	1427	1413	1134
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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



Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>

Table A-3: Regional Regulated Hydro Projects  
PNW Loads and Resource Study  
2016 - 2017 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)

3/31/2007

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	228	138	447	456	524	549	433	474	463	401	172	206	379	211	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	1668	1373	922	1055	1350	1249	937	945	967	963	937	873	1427	1413	1134
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	434	412	184	52	51	51	51	51	51	51	53	66	290	442	147
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	2974	2406	1623	1894	2401	2155	1606	1655	1583	1491	1409	1428	2562	2557	1967
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	107	169	146	99	141	124	151	178	194	221	319	252	137	169
20 John Day	827	705	760	789	934	916	705	772	826	859	719	780	1006	795	820
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	186	185	150	103	144	130	141	175	207	240	350	313	224	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	187	188	146	101	143	129	141	174	145	202	357	298	225	189
29 Lower Monumental	191	184	176	149	99	144	126	154	182	169	209	356	301	228	191
30 Mayfield	28	25	41	55	55	125	133	49	70	70	93	8.4	129	47	68
31 McNary	406	345	534	551	621	608	465	509	531	468	293	360	540	389	489
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	555	473	613	628	739	737	582	626	673	648	494	528	685	535	619
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
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

Table A-3: Regional Regulated Hydro Projects  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Yale	23	20	22	24	108	112	52	32	60	106	112	0	97	36	56
<b>Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>
<i>-Total Regulated Hydro w/Enc.-</i>															
59 Federal System	8279	6971	6008	6226	7224	7100	5483	5809	5991	5765	5080	5982	8394	7759	6585
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
<b>63 Total Regulated Hydro w/Enc.</b>	<b>12235</b>	<b>10505</b>	<b>9626</b>	<b>10241</b>	<b>11850</b>	<b>12247</b>	<b>9757</b>	<b>9285</b>	<b>9824</b>	<b>10287</b>	<b>9180</b>	<b>9960</b>	<b>14265</b>	<b>12211</b>	<b>10864</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-4  
Independent Hydro Projects  
Monthly OY 2008 – 2017  
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  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
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 Condit	8.4	8.4	8.4	8.4	0	0	0	0	0	0	0	0	0	0	2.1
19 Cougar	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
22 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0.5	2.4	3.0	3	3.3	3.4	3.4	3.4	2.1	1.2	0.9	0	2.0
25 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
26 Foster	6	6	11	9	7	9	4	8	21	22	23	23	23	6	12
27 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
28 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
29 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
30 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
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
32 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
33 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
34 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
35 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
37 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
38 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
39 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
40 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
41 Last Chance	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
42 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
43 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
44 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
45 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
46 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
47 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
48 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
49 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
50 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
53 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
54 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
55 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
57 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 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
59 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
60 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
61 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
62 Smith Creek	0	0	0.1	1.7	1.2	0.5	0	0.7	0.9	5.7	5.7	36	28	3.9	6.5
63 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
64 Soda Creek	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
66 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
67 Stone Creek	4	5.8	10	10	10	1.8	7.1	0.6	4.3	5.9	4.7	6.7	6	10	6.5
68 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
69 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
70 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
71 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
72 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
73 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	0	0	7
74 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
75 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
76 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
77 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
78 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
79 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
80 West Side	0	0	0.1	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2	0.2	0	0.4
81 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
82 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1008</b>	<b>1004</b>	<b>984</b>	<b>956</b>	<b>897</b>	<b>966</b>	<b>757</b>	<b>770</b>	<b>949</b>	<b>1206</b>	<b>1275</b>	<b>1570</b>	<b>1597</b>	<b>1132</b>	<b>1069</b>
<i>-Total Independent Hydro W/Enc.-</i>															
83 Federal System	413	404	390	341	283	202	157	173	259	401	468	686	723	433	374
84 Public Entities	108	118	113	123	122	190	124	114	155	183	181	245	263	164	159
85 Investor-Owned Entities	487	482	481	492	491	574	475	484	535	623	625	639	610	535	536
86 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>87 Total Independent Hydro w/Enc.</b>	<b>1008</b>	<b>1004</b>	<b>984</b>	<b>956</b>	<b>897</b>	<b>966</b>	<b>757</b>	<b>770</b>	<b>949</b>	<b>1206</b>	<b>1275</b>	<b>1570</b>	<b>1597</b>	<b>1132</b>	<b>1069</b>

**Table A-4: Regional Independent Hydro Projects  
PNW Loads and Resource Study  
2009 - 2010 Operating Year  
1937 Water Year  
[43] 2007 White Book (Final)**

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
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	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
21 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0.5	2.4	3.0	3	3.3	3.4	3.4	3.4	2.1	1.2	0.9	0	2.0
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	6	6	11	9	7	9	4	8	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 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
28 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
29 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
30 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
31 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
32 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Island Park	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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
39 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
40 Last Chance	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
41 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
42 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
43 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
44 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
45 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
46 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
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
51 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
52 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
53 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
54 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
55 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
56 Powerdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 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



Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
59 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
60 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
61 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
62 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
63 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
64 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 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
67 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
69 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
70 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
71 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
72 TW Sullivan	0	0	0	0	0	14	14	14	14	14	14	14	14	14	9.3
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
74 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
75 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
76 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
77 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
78 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
79 West Side	0	0	0.1	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.4	0.2	0.2	0	0.4
80 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
81 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1000</b>	<b>996</b>	<b>976</b>	<b>948</b>	<b>897</b>	<b>966</b>	<b>757</b>	<b>770</b>	<b>949</b>	<b>1206</b>	<b>1275</b>	<b>1570</b>	<b>1611</b>	<b>1146</b>	<b>1069</b>
<i>-Total Independent Hydro W/Enc.-</i>															
82 Federal System	413	404	390	341	283	202	157	173	259	401	468	686	723	433	374
83 Public Entities	108	118	113	123	122	190	124	114	155	183	181	245	263	164	159
84 Investor-Owned Entities	478	474	473	484	491	574	475	484	535	623	625	639	624	549	536
85 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>86 Total Independent Hydro w/Enc.</b>	<b>1000</b>	<b>996</b>	<b>976</b>	<b>948</b>	<b>897</b>	<b>966</b>	<b>757</b>	<b>770</b>	<b>949</b>	<b>1206</b>	<b>1275</b>	<b>1570</b>	<b>1611</b>	<b>1146</b>	<b>1069</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
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	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
21 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0.5	2.4	3.0	3	0	0	0	0	0	0	0	0	0.7
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	6	6	11	9	7	9	4	8	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 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
28 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
29 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
30 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
31 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
32 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Island Park	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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
39 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
40 Last Chance	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
41 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
42 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
43 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
44 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
45 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
46 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
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
51 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
52 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
53 Packwood	6.1	16	5.3	0	0	0	0	0	0	0	0	0	0	0	1.4
54 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
55 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
56 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
57 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  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
59 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
60 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
61 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
62 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
63 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
64 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
65 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
66 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
67 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
68 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
69 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
70 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
71 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
72 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
73 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 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
77 Wallterville	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
78 West Side	0	0	0.1	0.4	0.5	0.5	0	0	0	0	0	0	0	0	0.1
79 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
80 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>990</b>	<b>958</b>	<b>908</b>	<b>960</b>	<b>749</b>	<b>762</b>	<b>940</b>	<b>1193</b>	<b>1264</b>	<b>1550</b>	<b>1580</b>	<b>1126</b>	<b>1064</b>
<i>-Total Independent Hydro W/Enc.-</i>															
81 Federal System	413	404	390	341	283	202	157	173	259	401	468	686	723	433	374
82 Public Entities	108	118	113	119	120	184	120	110	150	174	173	226	233	144	150
83 Investor-Owned Entities	492	488	487	498	505	574	471	480	531	619	623	638	623	549	539
84 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>85 Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>990</b>	<b>958</b>	<b>908</b>	<b>960</b>	<b>749</b>	<b>762</b>	<b>940</b>	<b>1193</b>	<b>1264</b>	<b>1550</b>	<b>1580</b>	<b>1126</b>	<b>1064</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
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	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
21 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	6	6	11	9	7	9	4	8	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 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
28 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
29 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
30 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
31 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
32 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Island Park	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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
39 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
40 Last Chance	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
41 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
42 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
43 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
44 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
45 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
46 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
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
51 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
52 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
53 Packwood	0	0	0	3.7	2.7	5.9	4	3.7	4.8	8.6	8.6	19	30	20	8.5
54 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
55 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
56 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
57 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  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
59 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
60 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
61 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
62 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
63 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
64 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
65 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
66 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
67 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
68 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
69 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
70 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
71 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
72 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
73 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 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
77 Wallterville	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
78 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 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
80 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1008</b>	<b>994</b>	<b>984</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>753</b>	<b>766</b>	<b>945</b>	<b>1202</b>	<b>1272</b>	<b>1569</b>	<b>1610</b>	<b>1146</b>	<b>1070</b>
<i>-Total Independent Hydro W/Enc.-</i>															
81 Federal System	413	404	390	321	265	187	139	156	244	384	451	665	702	412	359
82 Public Entities	102	102	108	143	140	205	142	131	170	200	198	266	284	185	173
83 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
84 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>85 Total Independent Hydro w/Enc.</b>	<b>1008</b>	<b>994</b>	<b>984</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>753</b>	<b>766</b>	<b>945</b>	<b>1202</b>	<b>1272</b>	<b>1569</b>	<b>1610</b>	<b>1146</b>	<b>1070</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
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	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
21 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	6	6	11	9	7	9	4	8	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 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
28 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
29 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
30 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
31 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
32 Hood Street	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.3	0.6
33 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
34 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
35 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Island Park	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
37 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
38 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
39 Lake Creek	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
40 Last Chance	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
41 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
42 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
43 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
44 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
45 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
46 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
47 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
48 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
49 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
50 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
51 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
52 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
53 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
54 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
55 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
56 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
57 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  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
59 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
60 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
61 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
62 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
63 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
64 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
65 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
66 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
67 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
68 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
69 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
70 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
71 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
72 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
73 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
74 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
75 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
76 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
77 Wallterville	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
78 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 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
80 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>989</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>753</b>	<b>766</b>	<b>945</b>	<b>1202</b>	<b>1272</b>	<b>1569</b>	<b>1610</b>	<b>1146</b>	<b>1071</b>
<i>-Total Independent Hydro W/Enc.-</i>															
81 Federal System	394	385	370	321	265	187	139	156	244	384	451	665	702	412	356
82 Public Entities	127	137	133	143	140	205	142	131	170	200	198	266	284	185	177
83 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
84 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>85 Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>989</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>753</b>	<b>766</b>	<b>945</b>	<b>1202</b>	<b>1272</b>	<b>1569</b>	<b>1610</b>	<b>1146</b>	<b>1071</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
9 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
10 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
15 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 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
18 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
19 Cougar	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
22 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 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
26 Foster	6	6	11	9	7	9	4	8	21	22	23	23	23	6	12
27 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
28 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
29 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
30 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
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
32 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
33 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
34 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
35 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
37 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
38 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
39 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
40 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
41 Last Chance	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
42 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
43 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
44 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
45 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
46 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
47 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
48 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
49 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
50 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
53 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
54 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
55 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
57 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



Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
59 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
60 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
61 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
62 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
63 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
64 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 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
67 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
69 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
70 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
71 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
74 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
75 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
76 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
77 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
78 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
79 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 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
81 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>989</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1073</b>
<i>-Total Independent Hydro W/Enc.-</i>															
82 Federal System	394	385	370	321	265	187	139	156	244	384	451	665	702	412	356
83 Public Entities	127	137	133	143	140	205	146	133	171	202	201	269	286	188	179
84 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
85 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>86 Total Independent Hydro w/Enc.</b>	<b>1014</b>	<b>1010</b>	<b>989</b>	<b>959</b>	<b>907</b>	<b>962</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1073</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
9 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
10 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
15 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 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
18 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
19 Cougar	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
22 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 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
26 Foster	6	6	11	9	7	9	4	8	21	22	23	23	23	6	12
27 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
28 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
29 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
30 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
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
32 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
33 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
34 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
35 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
37 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
38 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
39 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
40 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
41 Last Chance	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
42 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
43 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
44 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
45 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
46 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
47 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
48 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
49 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
50 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
53 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
54 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
55 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
57 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

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
59 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
60 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
61 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
62 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
63 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
64 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 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
67 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
69 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
70 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
71 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
74 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
75 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
76 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
77 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
78 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
79 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 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
81 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>
<i>-Total Independent Hydro W/Enc.-</i>															
82 Federal System	394	385	370	321	265	187	139	156	244	384	451	665	702	412	356
83 Public Entities	130	140	135	145	143	209	146	133	171	202	201	269	286	188	180
84 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
85 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>86 Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
9 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
10 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
15 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 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
18 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
19 Cougar	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
22 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 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
26 Foster	6	6	11	9	7	9	4	8	21	22	23	23	23	6	12
27 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
28 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
29 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
30 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
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
32 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
33 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
34 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
35 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
37 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
38 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
39 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
40 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
41 Last Chance	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
42 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
43 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
44 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
45 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
46 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
47 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
48 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
49 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
50 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
53 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
54 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
55 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
57 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

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
59 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
60 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
61 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
62 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
63 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
64 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 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
67 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
69 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
70 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
71 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
74 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
75 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
76 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
77 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
78 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
79 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 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
81 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>
<i>-Total Independent Hydro W/Enc.-</i>															
82 Federal System	394	385	370	321	265	187	139	156	244	384	451	665	702	412	356
83 Public Entities	130	140	135	145	143	209	146	133	171	202	201	269	286	188	180
84 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
85 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>86 Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Ashton	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
4 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
5 Big Cliff	7	7	10	11	15	7	4	7	8	10	14	21	21	8	11
6 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
7 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
8 Bliss	41	41	46	44	46	46	43	40	40	39	39	38	38	37	42
9 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
10 Boise River Diversion	3	3	2.5	0.4	0	0	0	0	0	0	2.3	3	2.6	3	1.3
11 Calispel Creek	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0.3
12 Carmen-Smith	17	16	16	14	13	16	14	14	17	17	17	17	17	17	16
13 Cascade	13	13	10	2.4	2.2	3.2	5.6	1.8	1.1	1.1	1.1	1.1	1.2	11	4.5
14 Cedar Falls & Newhalem	2	2	2.8	7.8	11	18	9.6	6.6	8.6	18	18	25	30	2.2	12
15 Chandler	5.2	5.2	4.1	6.7	12	13	9.5	9.3	13	10	10	8.4	8.1	4.6	8.6
16 CJ Strike	44	44	52	54	59	59	55	51	51	49	49	45	43	38	50
17 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
18 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
19 Cougar	18	19	13	24	17	6	4	6	7	21	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	24	24	36	38	46	20	11	18	25	34	51	106	91	30	41
22 Dexter	7	8	8	12	16	5	3	6	6	6	15	17	17	6	9.5
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 East Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 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
26 Foster	6	6	11	9	7	9	4	8	21	22	23	23	23	6	12
27 Gem State Hydro	15	15	11	10	11	12	12	11	15	19	19	18	17	19	14
28 Grace	27	26	22	19	20	19	19	21	22	28	27	27	27	27	23
29 Green Peter	16	16	29	19	17	18	8	1	34	89	45	59	49	12	27
30 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
31 Hellroaring (Big) Creek	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0.2
32 Hills Creek	9	9	23	23	27	5	4	6	7	20	31	35	35	14	18
33 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
34 Idaho Falls - City Plant	6	6	6	6	6	5	6	5	5	5	5	7	7	7	5.9
35 Idaho Falls - Lower Plant	6	6	7	7	6	5	6	6	5	6	6	7	7	7	6.3
36 Idaho Falls - Upper Plant	7	7	7	7	6	5	6	6	5	6	6	7	7	7	6.3
37 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
38 Jackson	18	18	20	21	19	80	33	16	42	65	65	74	82	46	43
39 John C Boyle	0	0	13	36	43	48	48	55	81	82	82	32	24	0	39
40 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
41 Last Chance	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
42 Leaburg	7.5	7.5	5.5	7.5	7.5	7.1	4	13	13	13	13	13	13	10	9.5
43 Lookout Point	28	32	29	45	47	10	7	13	17	22	62	80	75	24	35
44 Lost Creek	44	34	23	40	26	18	17	12	13	14	15	56	56	46	30
45 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
46 Lower Salmon	26	26	30	28	30	30	27	25	24	24	24	24	24	23	26
47 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
48 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
49 Milner	0	0	0	0	6	10	5	3	0	0	0	0	0	0	2
50 Minidoka	30	30	28	12	3.1	9	2.8	2.4	2.2	14	14	30	30	30	16
51 Moyie Springs	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
52 North Umpqua	75	75	71	103	99	122	70	79	81	121	121	147	139	92	100
53 Oneida	7.5	7.0	6.1	5.2	5.4	5.3	5.3	5.8	5.9	7.5	7.5	7.2	7.5	7.2	6.3
54 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
55 Palisades	131	131	119	55	15	15	20	23	27	21	38	95	131	131	66
56 Paris	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
57 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

Table A-4: Regional Independent Hydro Projects  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
58 Rogue	33	33	30	27	26	28	25	27	40	50	50	51	51	45	36
59 Roza	13	13	0	3.6	0	5	4	4.3	13	13	13	13	13	13	7.9
60 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
61 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
62 Snoq Elect & Nooksack	37	34	34	30	19	56	28	39	59	62	68	68	68	55	46
63 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
64 Soda Point Project	3.6	3.3	2.9	2.5	2.6	2.5	2.5	2.8	2.8	3.6	3.6	3.4	3.6	3.4	3
65 South Fork Tolt	9	9	6	5	5	5	5	5	5	5	5	6	8	9	6.1
66 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
67 Strawberry Creek	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
68 Swan Falls	14	14	16	18	19	19	17	17	16	16	16	15	14	14	16
69 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
70 Thousand Springs	10	10	12	12	12	10	11	10	11	12	11	11	10	12	11
71 Trail Bridge	3.8	3.8	3.5	3.4	3.2	3.3	3	3.2	3.8	3.8	3.8	3.8	3.8	3.8	3.5
72 TW Sullivan	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
73 Twin Falls	5	5	8	4	11	14	10	8	0	0	0	0	0	7	5.6
74 Upper Malad	9.5	9.9	11	11	11	9.6	11	9.5	10	11	10	10	9.9	11	10
75 Upper Salmon 1 & 2	18	18	19	19	19	19	19	18	16	16	16	16	16	16	18
76 Upper Salmon 3 & 4	15	15	18	17	18	18	16	15	14	14	14	14	14	13	15
77 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
78 Walterville	5.4	5.8	3.8	4.6	4	5	3.1	7.2	8	6.3	6.3	9.5	9.5	7.7	6.2
79 West Side	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80 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
81 Yelm	9	9	6	10	10	10	10	10	10	10	10	10	10	8	9.4
<b>Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>
<i>-Total Independent Hydro W/Enc.-</i>															
82 Federal System	394	385	370	321	265	187	139	156	244	384	451	665	702	412	356
83 Public Entities	130	140	135	145	143	209	146	133	171	202	201	269	286	188	180
84 Investor-Owned Entities	492	488	486	495	502	570	471	480	531	619	623	638	623	549	538
85 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>86 Total Independent Hydro w/Enc.</b>	<b>1017</b>	<b>1013</b>	<b>991</b>	<b>961</b>	<b>911</b>	<b>966</b>	<b>756</b>	<b>768</b>	<b>947</b>	<b>1205</b>	<b>1275</b>	<b>1572</b>	<b>1612</b>	<b>1149</b>	<b>1074</b>

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-5  
Imports  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>6 Total Imports From ECD</b>	<b>400</b>	<b>374</b>	<b>292</b>	<b>410</b>	<b>479</b>	<b>617</b>	<b>518</b>	<b>517</b>	<b>415</b>	<b>409</b>	<b>428</b>	<b>333</b>	<b>443</b>	<b>458</b>	<b>441</b>
<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	153	188	128	101	0	0	0	0	0	0	48
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 WSPP to Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>26 Total Imports From PSW</b>	<b>145</b>	<b>145</b>	<b>147</b>	<b>146</b>	<b>350</b>	<b>393</b>	<b>334</b>	<b>305</b>	<b>192</b>	<b>165</b>	<b>114</b>	<b>107</b>	<b>107</b>	<b>123</b>	<b>207</b>
<i>-Imports From Inland Southwest-</i>															
27 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
28 UPL to UPL PwrS	495	495	462	462	461	437	457	474	446	422	422	472	427	433	454
<b>29 Total Imports From ISW</b>	<b>570</b>	<b>570</b>	<b>538</b>	<b>508</b>	<b>506</b>	<b>482</b>	<b>502</b>	<b>519</b>	<b>492</b>	<b>497</b>	<b>497</b>	<b>548</b>	<b>502</b>	<b>508</b>	<b>514</b>
<i>-Imports From Canada-</i>															
30 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
32 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
<b>33 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>34 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
35 Federal System	134	134	165	200	268	326	299	254	225	225	173	83	101	132	199
36 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
37 Investor-Owned Entities	884	857	715	767	945	1039	928	961	747	744	762	807	853	859	854
38 Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>39 Total Imports.</b>	<b>1136</b>	<b>1108</b>	<b>993</b>	<b>1086</b>	<b>1372</b>	<b>1541</b>	<b>1415</b>	<b>1412</b>	<b>1161</b>	<b>1102</b>	<b>1069</b>	<b>1016</b>	<b>1090</b>	<b>1115</b>	<b>1201</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	166
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
<b>6 Total Imports From ECD</b>	<b>261</b>	<b>413</b>	<b>395</b>	<b>342</b>	<b>331</b>	<b>421</b>	<b>382</b>	<b>339</b>	<b>274</b>	<b>266</b>	<b>286</b>	<b>201</b>	<b>189</b>	<b>282</b>	<b>314</b>
<i>-Imports From Pacific Southwest-</i>															
7 GLEN to PGE S/Pwr/X	0	0	0	0	10	11	11	11	0	0	0	0	0	0	3.5
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	153	188	128	101	0	0	0	0	0	0	48
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 WSPP to Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>20 Total Imports From PSW</b>	<b>120</b>	<b>122</b>	<b>127</b>	<b>128</b>	<b>332</b>	<b>372</b>	<b>311</b>	<b>284</b>	<b>171</b>	<b>144</b>	<b>114</b>	<b>106</b>	<b>107</b>	<b>123</b>	<b>193</b>
<i>-Imports From Inland Southwest-</i>															
21 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
22 UPL to UPL PwrS	469	469	437	437	436	467	439	453	424	400	400	447	516	569	458
<b>23 Total Imports From ISW</b>	<b>544</b>	<b>544</b>	<b>512</b>	<b>482</b>	<b>481</b>	<b>512</b>	<b>484</b>	<b>498</b>	<b>469</b>	<b>476</b>	<b>476</b>	<b>522</b>	<b>591</b>	<b>644</b>	<b>518</b>
<i>-Imports From Canada-</i>															
24 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
26 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
<b>27 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>28 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
29 Federal System	109	111	145	182	251	304	278	233	204	203	173	83	101	132	184
30 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
31 Investor-Owned Entities	719	871	793	674	771	874	774	761	583	579	599	650	689	820	731
32 Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>33 Total Imports.</b>	<b>946</b>	<b>1099</b>	<b>1051</b>	<b>974</b>	<b>1182</b>	<b>1354</b>	<b>1239</b>	<b>1192</b>	<b>976</b>	<b>916</b>	<b>905</b>	<b>858</b>	<b>926</b>	<b>1076</b>	<b>1063</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>5 Total Imports From ECD</b>	<b>246</b>	<b>218</b>	<b>200</b>	<b>281</b>	<b>334</b>	<b>425</b>	<b>385</b>	<b>342</b>	<b>278</b>	<b>269</b>	<b>289</b>	<b>205</b>	<b>237</b>	<b>242</b>	<b>287</b>
<i>-Imports From Pacific Southwest-</i>															
6 GLEN to PGE S/Pwr/X	0	0	0	0	10	11	10	11	0	0	0	0	0	0	3.5
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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
12 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
13 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
14 RVSD to BPA PkRepl	6.2	6.8	7	6.8	0	0	0	0	0	0	0	0	0	0	1.7
15 RVSD to BPA XchgNrg	0	0	0	0	17	16	17	16	15	15	0	0	0	0	7.4
16 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
17 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
18 WSPP to Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>19 Total Imports From PSW</b>	<b>120</b>	<b>122</b>	<b>127</b>	<b>127</b>	<b>333</b>	<b>372</b>	<b>312</b>	<b>284</b>	<b>170</b>	<b>144</b>	<b>114</b>	<b>106</b>	<b>100</b>	<b>115</b>	<b>191</b>
<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	473	473	441	441	440	471	443	456	427	404	404	451	520	574	462
<b>22 Total Imports From ISW</b>	<b>548</b>	<b>548</b>	<b>516</b>	<b>486</b>	<b>485</b>	<b>516</b>	<b>488</b>	<b>502</b>	<b>472</b>	<b>479</b>	<b>479</b>	<b>526</b>	<b>595</b>	<b>649</b>	<b>522</b>
<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
<b>26 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>27 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
28 Federal System	109	111	145	182	251	304	279	233	203	203	173	83	94	125	183
29 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
30 Investor-Owned Entities	708	680	601	616	778	882	780	768	590	585	605	658	741	784	707
31 Other Entities	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>32 Total Imports.</b>	<b>935</b>	<b>908</b>	<b>859</b>	<b>916</b>	<b>1189</b>	<b>1362</b>	<b>1247</b>	<b>1198</b>	<b>983</b>	<b>922</b>	<b>912</b>	<b>866</b>	<b>972</b>	<b>1033</b>	<b>1039</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>3 Total Imports From ECD</b>	<b>204</b>	<b>176</b>	<b>203</b>	<b>284</b>	<b>338</b>	<b>429</b>	<b>300</b>	<b>256</b>	<b>192</b>	<b>184</b>	<b>203</b>	<b>120</b>	<b>151</b>	<b>157</b>	<b>234</b>
<i>-Imports From Pacific Southwest-</i>															
4 GLEN to PGE S/Pwr/X	0	0	0	0	11	11	10	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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
10 RVSD to BPA XchgNrg	0	0	0	0	16	16	17	16	16	16	0	0	0	0	7.4
11 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
12 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
13 WSPP to Other Entities	100	100	100	100	100	100	0	0	0	0	0	0	0	0	42
<b>14 Total Imports From PSW</b>	<b>116</b>	<b>115</b>	<b>120</b>	<b>114</b>	<b>321</b>	<b>361</b>	<b>202</b>	<b>174</b>	<b>60</b>	<b>34</b>	<b>8.8</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>125</b>
<i>-Imports From Inland Southwest-</i>															
15 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
16 UPL to UPL PwrS	477	477	444	444	443	475	446	460	430	407	407	455	525	580	466
<b>17 Total Imports From ISW</b>	<b>552</b>	<b>552</b>	<b>519</b>	<b>489</b>	<b>488</b>	<b>520</b>	<b>491</b>	<b>505</b>	<b>475</b>	<b>482</b>	<b>482</b>	<b>530</b>	<b>600</b>	<b>655</b>	<b>526</b>
<i>-Imports From Canada-</i>															
18 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
20 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
<b>21 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>22 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
23 Federal System	105	103	138	169	240	294	268	223	193	193	168	76	94	124	175
24 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
25 Investor-Owned Entities	670	642	608	623	786	890	698	686	508	503	522	576	660	704	659
26 Other Entities	100	100	100	100	100	100	0	0	0	0	0	0	0	0	42
<b>27 Total Imports.</b>	<b>892</b>	<b>863</b>	<b>859</b>	<b>910</b>	<b>1185</b>	<b>1359</b>	<b>1054</b>	<b>1006</b>	<b>790</b>	<b>730</b>	<b>724</b>	<b>678</b>	<b>790</b>	<b>853</b>	<b>924</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	106
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
<b>3 Total Imports From ECD</b>	<b>118</b>	<b>90</b>	<b>118</b>	<b>199</b>	<b>251</b>	<b>344</b>	<b>303</b>	<b>259</b>	<b>195</b>	<b>187</b>	<b>207</b>	<b>124</b>	<b>155</b>	<b>161</b>	<b>201</b>
<i>-Imports From Pacific Southwest-</i>															
4 GLEN to PGE S/Pwr/X	0	0	0	0	11	11	0	0	0	0	0	0	0	0	1.8
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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
10 RVSD to BPA XchgNrg	0	0	0	0	16	16	17	16	16	17	0	0	0	0	7.4
11 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
12 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
<b>13 Total Imports From PSW</b>	<b>16</b>	<b>16</b>	<b>19</b>	<b>14</b>	<b>221</b>	<b>260</b>	<b>191</b>	<b>163</b>	<b>60</b>	<b>37</b>	<b>8.7</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>82</b>
<i>-Imports From Inland Southwest-</i>															
14 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
15 UPL to UPL PwrS	481	481	448	448	447	479	450	464	434	410	410	458	530	585	470
<b>16 Total Imports From ISW</b>	<b>556</b>	<b>556</b>	<b>523</b>	<b>493</b>	<b>492</b>	<b>524</b>	<b>495</b>	<b>509</b>	<b>479</b>	<b>485</b>	<b>485</b>	<b>533</b>	<b>605</b>	<b>660</b>	<b>530</b>
<i>-Imports From Canada-</i>															
17 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
19 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
<b>20 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>21 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
22 Federal System	105	104	137	169	239	293	268	223	193	196	168	76	94	125	175
23 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
24 Investor-Owned Entities	588	560	527	541	703	809	695	682	514	509	529	584	668	714	628
25 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>26 Total Imports.</b>	<b>710</b>	<b>682</b>	<b>677</b>	<b>728</b>	<b>1001</b>	<b>1177</b>	<b>1051</b>	<b>1002</b>	<b>796</b>	<b>739</b>	<b>731</b>	<b>686</b>	<b>799</b>	<b>863</b>	<b>851</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>3 Total Imports From ECD</b>	<b>121</b>	<b>93</b>	<b>121</b>	<b>202</b>	<b>255</b>	<b>348</b>	<b>307</b>	<b>263</b>	<b>199</b>	<b>190</b>	<b>211</b>	<b>128</b>	<b>159</b>	<b>164</b>	<b>204</b>
<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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
9 RVSD to BPA XchgNrg	0	0	0	0	16	17	16	16	17	16	0	0	0	0	7.4
10 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
11 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
<b>12 Total Imports From PSW</b>	<b>16</b>	<b>16</b>	<b>18</b>	<b>15</b>	<b>210</b>	<b>251</b>	<b>190</b>	<b>163</b>	<b>61</b>	<b>34</b>	<b>9.0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>80</b>
<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	486	486	452	452	451	483	454	468	437	413	413	462	534	590	474
<b>15 Total Imports From ISW</b>	<b>560</b>	<b>560</b>	<b>527</b>	<b>497</b>	<b>496</b>	<b>528</b>	<b>499</b>	<b>513</b>	<b>482</b>	<b>488</b>	<b>488</b>	<b>537</b>	<b>609</b>	<b>665</b>	<b>534</b>
<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
<b>19 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>20 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
21 Federal System	105	104	136	169	239	294	267	223	194	193	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	595	567	533	548	700	806	702	690	522	515	536	592	677	722	633
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports.</b>	<b>718</b>	<b>689</b>	<b>683</b>	<b>736</b>	<b>998</b>	<b>1176</b>	<b>1057</b>	<b>1010</b>	<b>805</b>	<b>742</b>	<b>738</b>	<b>694</b>	<b>808</b>	<b>872</b>	<b>857</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>3 Total Imports From ECD</b>	<b>125</b>	<b>96</b>	<b>124</b>	<b>205</b>	<b>259</b>	<b>352</b>	<b>311</b>	<b>267</b>	<b>203</b>	<b>194</b>	<b>214</b>	<b>131</b>	<b>163</b>	<b>168</b>	<b>208</b>
<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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
9 RVSD to BPA XchgNrg	0	0	0	0	16	17	16	16	17	16	0	0	0	0	7.4
10 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
11 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
<b>12 Total Imports From PSW</b>	<b>15</b>	<b>15</b>	<b>19</b>	<b>15</b>	<b>209</b>	<b>251</b>	<b>190</b>	<b>163</b>	<b>61</b>	<b>34</b>	<b>9.0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>80</b>
<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	490	490	455	455	454	488	458	472	441	416	416	466	539	596	478
<b>15 Total Imports From ISW</b>	<b>565</b>	<b>565</b>	<b>530</b>	<b>500</b>	<b>499</b>	<b>532</b>	<b>503</b>	<b>517</b>	<b>486</b>	<b>491</b>	<b>491</b>	<b>541</b>	<b>614</b>	<b>671</b>	<b>538</b>
<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
<b>19 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>20 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
21 Federal System	104	104	137	169	239	294	267	223	194	193	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	603	574	540	555	708	814	710	698	530	523	543	599	686	732	641
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports.</b>	<b>725</b>	<b>696</b>	<b>690</b>	<b>743</b>	<b>1005</b>	<b>1184</b>	<b>1065</b>	<b>1018</b>	<b>813</b>	<b>750</b>	<b>744</b>	<b>701</b>	<b>816</b>	<b>881</b>	<b>864</b>



Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>3 Total Imports From ECD</b>	<b>129</b>	<b>100</b>	<b>128</b>	<b>209</b>	<b>262</b>	<b>356</b>	<b>315</b>	<b>271</b>	<b>206</b>	<b>197</b>	<b>218</b>	<b>136</b>	<b>167</b>	<b>172</b>	<b>212</b>
<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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
9 RVSD to BPA XchgNrg	0	0	0	0	17	16	16	16	17	16	0	0	0	0	7.4
10 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
11 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
<b>12 Total Imports From PSW</b>	<b>14</b>	<b>15</b>	<b>19</b>	<b>15</b>	<b>211</b>	<b>250</b>	<b>190</b>	<b>163</b>	<b>61</b>	<b>34</b>	<b>9.0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>80</b>
<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	494	494	459	459	458	492	461	476	445	420	420	470	544	602	482
<b>15 Total Imports From ISW</b>	<b>569</b>	<b>569</b>	<b>534</b>	<b>504</b>	<b>503</b>	<b>537</b>	<b>506</b>	<b>521</b>	<b>490</b>	<b>495</b>	<b>495</b>	<b>545</b>	<b>619</b>	<b>676</b>	<b>542</b>
<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
<b>19 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>20 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
21 Federal System	103	104	137	169	240	293	267	223	194	193	168	76	94	121	175
22 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
23 Investor-Owned Entities	612	583	548	563	714	822	718	706	536	529	550	608	695	741	649
24 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25 Total Imports.</b>	<b>732</b>	<b>704</b>	<b>698</b>	<b>751</b>	<b>1013</b>	<b>1191</b>	<b>1073</b>	<b>1026</b>	<b>819</b>	<b>756</b>	<b>752</b>	<b>710</b>	<b>825</b>	<b>886</b>	<b>872</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>3 Total Imports From ECD</b>	<b>132</b>	<b>104</b>	<b>132</b>	<b>212</b>	<b>266</b>	<b>360</b>	<b>319</b>	<b>275</b>	<b>209</b>	<b>200</b>	<b>222</b>	<b>141</b>	<b>171</b>	<b>176</b>	<b>216</b>
<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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
6 RVSD to BPA XchgNrg	0	0	0	0	17	16	17	16	16	16	0	0	0	0	7.4
7 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
8 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
<b>9 Total Imports From PSW</b>	<b>9.7</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>206</b>	<b>246</b>	<b>187</b>	<b>159</b>	<b>58</b>	<b>34</b>	<b>8.8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>
<i>-Imports From Inland Southwest-</i>															
10 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
11 UPL to UPL PwrS	498	498	463	463	462	496	465	480	448	423	423	474	549	607	486
<b>12 Total Imports From ISW</b>	<b>573</b>	<b>573</b>	<b>538</b>	<b>508</b>	<b>507</b>	<b>541</b>	<b>510</b>	<b>525</b>	<b>493</b>	<b>498</b>	<b>498</b>	<b>549</b>	<b>624</b>	<b>682</b>	<b>546</b>
<i>-Imports From Canada-</i>															
13 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
15 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
<b>16 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>17 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
18 Federal System	99	99	129	165	236	289	263	219	191	193	168	76	94	110	171
19 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
20 Investor-Owned Entities	619	591	556	570	722	831	726	714	543	535	557	617	704	751	657
21 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>22 Total Imports.</b>	<b>735</b>	<b>708</b>	<b>698</b>	<b>753</b>	<b>1017</b>	<b>1195</b>	<b>1077</b>	<b>1030</b>	<b>823</b>	<b>762</b>	<b>759</b>	<b>719</b>	<b>834</b>	<b>885</b>	<b>876</b>

Table A-5: Regional Imports  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	122	95	94	107	110	149	134	134	95	113	136	146	157	146	125
2 PPL to BPA PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
<b>3 Total Imports From ECD</b>	<b>135</b>	<b>108</b>	<b>136</b>	<b>215</b>	<b>271</b>	<b>364</b>	<b>323</b>	<b>279</b>	<b>212</b>	<b>203</b>	<b>226</b>	<b>146</b>	<b>175</b>	<b>180</b>	<b>220</b>
<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 PG&E to PSE S/Pwr/X	0	0	0	0	153	188	128	101	0	0	0	0	0	0	48
<b>6 Total Imports From PSW</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>178</b>	<b>218</b>	<b>158</b>	<b>131</b>	<b>30</b>	<b>6.2</b>	<b>6.2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>
<i>-Imports From Inland Southwest-</i>															
7 SPP to BPA PwrS	75	75	75	45	45	45	45	45	45	75	75	75	75	75	60
8 UPL to UPL PwrS	502	502	467	467	466	500	469	484	452	426	426	478	554	613	490
<b>9 Total Imports From ISW</b>	<b>577</b>	<b>577</b>	<b>542</b>	<b>512</b>	<b>511</b>	<b>545</b>	<b>514</b>	<b>529</b>	<b>497</b>	<b>502</b>	<b>502</b>	<b>553</b>	<b>629</b>	<b>688</b>	<b>550</b>
<i>-Imports From Canada-</i>															
10 BCHP to BPA PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 BCHP to SCL PwrS	18	18	13	18	35	45	58	67	59	27	27	26	36	24	36
12 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
<b>13 Total Imports From Canada</b>	<b>20</b>	<b>20</b>	<b>17</b>	<b>22</b>	<b>38</b>	<b>48</b>	<b>62</b>	<b>71</b>	<b>63</b>	<b>30</b>	<b>30</b>	<b>28</b>	<b>39</b>	<b>27</b>	<b>39</b>
<i>-Imports From Other Entities-</i>															
<b>14 Total Imports From Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Total Imports-</i>															
15 Federal System	89	89	118	154	207	261	235	191	163	166	166	76	94	110	155
16 Public Entities	18	18	13	18	59	75	88	97	89	34	34	26	36	24	48
17 Investor-Owned Entities	626	599	564	576	731	839	734	722	550	542	565	626	713	761	665
18 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>19 Total Imports.</b>	<b>733</b>	<b>706</b>	<b>695</b>	<b>749</b>	<b>997</b>	<b>1176</b>	<b>1057</b>	<b>1010</b>	<b>802</b>	<b>741</b>	<b>764</b>	<b>728</b>	<b>843</b>	<b>894</b>	<b>868</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-6  
Small Thermal & Miscellaneous  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>



Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

Table A-6: Regional Small Thermal and Miscellaneous  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>4 Total Federal System</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Public Entities-</i>															
<b>5 Total Public Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Investor-Owned Entities-</i>															
6 Corette	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Crystal Mountain	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
<b>8 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>
<i>-Other Entities-</i>															
<b>9 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Small Thermal and Miscellaneous-</i>															
10 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Public Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Investor-Owned Entities	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2
13 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>14 Total Small Thermal &amp; Misc.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.2</b>

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-7  
Combustion Turbines  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	180	180	180	180	180	180	180	180	180	180	180	78	180	180	172
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	298	298	298	299	299	300	301	300	298	298	298	194	298	298	290
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	388	407	413	413	410	197	402	402	397	391	386	382
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	24	25	25	25	25	25	24	24	24
17 Danskin	0.6	0.7	2	0	2	2	0	0	2	0	0	0	1.9	0	0.9
18 Danskin 2	0	0	0	0	0	0	0	0	0	0	0	0	3.7	0.9	0.4
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1202	1202	1228	1193	1214	1219	1231	1211	823	1203	1203	950	1197	1191	1155
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	0	0	314	314	314	314	314	314	314	314	314	0	314	314	262
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1654	1654	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1782
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	298	298	298	299	299	300	301	300	298	298	298	194	298	298	290
41 Investor-Owned Entities	1202	1202	1228	1193	1214	1219	1231	1211	823	1203	1203	950	1197	1191	1155
42 Other Entities	1654	1654	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1782
43 Total Combustion Turbines	3154	3155	3495	3461	3487	3498	3510	3489	3089	3188	3188	1901	2994	3457	3227

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	180	180	180	180	180	180	180	180	180	180	180	165	180	180	179
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	298	298	298	299	299	300	301	300	298	298	298	280	298	298	297
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	380	330	407	413	413	398	197	255	402	397	391	375	368
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	25	24	24	25	25	25	24	24	24
17 Danskin	0.1	0.1	2	0	2	2	0	0	2	0	0	0	1.9	0	0.8
18 Danskin 2	1.9	1.9	6.6	0	3.9	3.8	0	0	3.8	0	0	0	3.8	1.4	2.1
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1201	1202	1226	1135	1218	1223	1231	1199	826	1056	1203	950	1197	1181	1143
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	298	298	298	299	299	300	301	300	298	298	298	280	298	298	297
41 Investor-Owned Entities	1201	1202	1226	1135	1218	1223	1231	1199	826	1056	1203	950	1197	1181	1143
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3468	3468	3493	3403	3491	3502	3511	3477	3092	3040	3188	1988	2994	3448	3248

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	180	180	180	180	180	180	180	180	180	180	180	0	180	180	165
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	298	298	298	299	299	300	301	300	298	298	298	115	298	298	284
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	197	402	402	397	391	386	383
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	24	24	25	24	24	25	25	25	25	25	24
17 Danskin	0.3	0.3	2.1	0	2	2	0	0	2	0	0	0	1.9	0.2	0.9
18 Danskin 2	3.7	3.7	7.1	0.1	3.9	3.8	0	0	3.8	0	0	0	3.7	3	2.4
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1205	1205	1238	1204	1217	1223	1231	1211	826	1203	1203	950	1198	1196	1159
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	298	298	298	299	299	300	301	300	298	298	298	115	298	298	284
41 Investor-Owned Entities	1205	1205	1238	1204	1217	1223	1231	1211	826	1203	1203	950	1198	1196	1159
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3472	3472	3505	3471	3490	3502	3511	3489	3092	3188	3188	1823	2994	3462	3250

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	188	188	188	188	188	188	188	188	188	188	188	0	188	188	172
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	305	305	305	306	307	308	308	307	305	305	305	115	305	305	290
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	186	402	402	386	391	386	381
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	24	24	25	25	25	25	24	24	24	25	25	25	24	24	24
17 Danskin	1.4	1.5	3	0	2	2	0	0	2	0	0	0	1.9	0	1
18 Danskin 2	8.3	8.3	13	0	3.9	3.8	0	0.3	3.8	0	0	0	3.7	1.6	3.2
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1215	1216	1250	1204	1218	1223	1231	1211	815	1203	1203	939	1197	1192	1158
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	305	305	305	306	307	308	308	307	305	305	305	115	305	305	290
41 Investor-Owned Entities	1215	1216	1250	1204	1218	1223	1231	1211	815	1203	1203	939	1197	1192	1158
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3489	3490	3524	3479	3498	3509	3518	3497	3089	3195	3195	1812	3002	3466	3257

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	196	196	196	196	196	196	196	196	196	196	196	165	196	196	194
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	314	314	314	315	316	317	317	316	314	314	314	280	314	314	312
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	378	407	413	413	410	0	0	105	397	391	386	335
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	24	24	24	25	25	25	25	25	24
17 Danskin	1.7	1.8	4.3	0	2	2	0	0	2	0	0	0	1.9	0	1.2
18 Danskin 2	9.3	9.3	17	0	4	3.8	0	0.1	3.8	0	0	0	3.7	0.3	3.5
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1218	1219	1261	1183	1218	1223	1231	1211	629	801	906	950	1198	1190	1114
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	314	314	314	315	316	317	317	316	314	314	314	280	314	314	312
41 Investor-Owned Entities	1218	1219	1261	1183	1218	1223	1231	1211	629	801	906	950	1198	1190	1114
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3500	3501	3543	3466	3507	3518	3526	3505	2912	2802	2907	1988	3011	3473	3234

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	201	201	201	201	201	201	201	201	201	201	201	165	201	201	198
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	319	319	319	320	320	321	322	321	319	319	319	280	319	319	317
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	0	0	105	397	391	386	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	24	24	24	24	24	25	25	25	24
17 Danskin	0.2	0.2	2.5	0	2	2	0	0	2	0	0	0	1.9	0	0.9
18 Danskin 2	3.4	3.4	11	0.2	3.9	3.8	0	0.1	3.8	0	0	0	3.7	0.9	2.6
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1205	1205	1247	1204	1218	1223	1231	1211	629	801	906	950	1198	1191	1113
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	319	319	319	320	320	321	322	321	319	319	319	280	319	319	317
41 Investor-Owned Entities	1205	1205	1247	1204	1218	1223	1231	1211	629	801	906	950	1198	1191	1113
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3492	3492	3535	3493	3512	3523	3531	3510	2916	2806	2912	1988	3015	3479	3238

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	0	0	105	397	391	386	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	24	24	24	24	24	25	25	25	24
17 Danskin	0.4	0.4	3.7	0	2	2	0	0.1	2	0	0	0	1.9	0	1
18 Danskin 2	4.4	4.4	14	0.2	3.9	3.8	0	0.2	3.8	0	0	0	3.7	0.3	2.9
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1207	1207	1254	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1114
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
41 Investor-Owned Entities	1207	1207	1254	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1114
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3505	3505	3552	3504	3522	3534	3542	3521	2927	2817	2922	1901	3026	3488	3241



Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	0	0	105	397	391	386	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	25	25	25	25	25	25	24	24	25
17 Danskin	0.2	0.2	3	0	2	2	0	0	2	0	0	0	1.9	0	0.9
18 Danskin 2	3.3	3.3	11	0	3.9	3.8	0	0	3.8	0	0	0	3.7	0.2	2.5
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1204	1205	1246	1204	1218	1223	1231	1211	629	801	906	950	1197	1190	1113
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
41 Investor-Owned Entities	1204	1205	1246	1204	1218	1223	1231	1211	629	801	906	950	1197	1190	1113
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3503	3503	3545	3503	3522	3534	3543	3521	2928	2817	2923	1901	3025	3488	3240

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	0	0	105	397	391	386	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	25	25	25	24	24	25	25	25	25
17 Danskin	0.4	0.5	2.9	0	2	2	0	0	2	0	0	0	1.9	0	0.9
18 Danskin 2	3.8	3.8	10	0	3.9	3.8	0	0	3.8	0	0	0	3.7	0.2	2.5
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1206	1206	1246	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1113
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
41 Investor-Owned Entities	1206	1206	1246	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1113
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3504	3504	3544	3503	3522	3534	3543	3521	2928	2816	2922	1901	3026	3488	3240

Table A-7: Regional Combustion Turbines  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
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 River Road	212	212	212	212	212	212	212	212	212	212	212	78	212	212	201
9 Springfield Gen Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 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
11 Total Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
<i>-Investor-Owned Entities-</i>															
12 Basin Creek Project	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
13 Beaver	386	386	391	399	407	413	413	410	0	0	105	397	391	386	337
14 Beaver 8	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
15 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
16 Boulder Park	25	25	25	25	25	25	25	25	25	24	24	25	25	25	25
17 Danskin	0.4	0.5	2.9	0	2	2	0	0	2	0	0	0	1.9	0	0.9
18 Danskin 2	3.8	3.8	10	0	3.9	3.8	0	0	3.8	0	0	0	3.7	0.2	2.5
19 Encogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Frederickson CT	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
21 Fredonia 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Fredonia 3&4	11	11	4	0	0	0	0	0	0	0	0	0	0	3	1.5
23 Fredrickson 1&2	0	0	26	4	0	0	18	0	0	0	0	0	0	0	4
24 Goldendale Energy Center	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
25 Kettle Falls CT	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	5.5	5.4	9.2	8.6
26 Northeastern 1 & 2	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
27 Port Westward CCCT	381	381	381	381	381	381	381	381	200	381	381	381	381	381	366
28 Whitehorn 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 Total Investor-Owned Entities	1206	1206	1246	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1113
<i>-Other Entities-</i>															
30 Big Hanaford CCCT	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
31 Chehalis Generation Facility CCCT	455	455	455	455	455	455	455	455	455	455	455	455	0	455	417
32 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
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 Longview Fibre CT	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
36 Mint Farm Energy Center	314	314	314	314	314	314	314	314	314	314	314	0	314	314	288
37 Satsop	638	638	638	638	638	638	638	638	638	638	638	0	638	638	585
38 Total Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
<i>-Combustion Turbines-</i>															
39 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 Public Entities	330	330	330	331	331	332	333	332	330	330	330	194	330	330	319
41 Investor-Owned Entities	1206	1206	1246	1204	1218	1223	1231	1211	629	800	905	950	1198	1190	1113
42 Other Entities	1968	1968	1968	1968	1973	1978	1978	1978	1968	1687	1687	757	1499	1968	1808
43 Total Combustion Turbines	3504	3504	3544	3503	3522	3534	3543	3521	2928	2816	2922	1901	3026	3488	3240

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-8  
Renewable Resources  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	0	0	0	0	0	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	5.0
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>15</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>20</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	0	0	0	0	0	18	15	26	44	41	41	51	49	57	25
9 Hopkins Ridge	31	31	31	33	35	28	25	18	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	35	46	44
12 Leaning Juniper	19	20	23	24	26	24	22	19	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	0	0	0	22	23	19	17	13	37	26	26	26	29	22	19
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>183</b>	<b>183</b>	<b>183</b>	<b>211</b>	<b>220</b>	<b>212</b>	<b>192</b>	<b>179</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>283</b>	<b>299</b>	<b>276</b>	<b>239</b>
<i>-Other Entities-</i>															
17 Klondike III	0	0	0	0	0	28	24	41	69	64	64	80	77	88	39
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>39</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	15	15	15	15	15	19	18	20	24	23	23	25	25	26	20
21 Investor-Owned Entities	183	183	183	211	220	212	192	179	356	274	273	283	299	276	239
22 Other Entities	0	0	0	0	0	28	24	41	69	64	64	80	77	88	39
<b>23 Total Renewable Resources</b>	<b>218</b>	<b>219</b>	<b>219</b>	<b>248</b>	<b>260</b>	<b>284</b>	<b>261</b>	<b>266</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>411</b>	<b>413</b>	<b>411</b>	<b>321</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	15	3.1	46	40
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>252</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>263</b>	<b>267</b>	<b>276</b>	<b>250</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	252	245	242	244	212	192	180	356	274	273	263	267	276	250
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>390</b>	<b>381</b>	<b>411</b>	<b>353</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	46	24	46	44
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>252</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>294</b>	<b>288</b>	<b>276</b>	<b>255</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	252	245	242	244	212	192	180	356	274	273	294	288	276	255
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>421</b>	<b>402</b>	<b>411</b>	<b>357</b>



Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	25	24	46	42
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>252</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>273</b>	<b>288</b>	<b>276</b>	<b>253</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	252	251	245	242	244	212	192	180	356	274	273	273	288	276	253
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>400</b>	<b>402</b>	<b>411</b>	<b>356</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	18	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	46	14	46	43
12 Leaning Juniper	19	20	23	24	26	24	22	19	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>179</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>294</b>	<b>278</b>	<b>276</b>	<b>254</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	251	245	242	244	212	192	179	356	274	273	294	278	276	254
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>266</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>421</b>	<b>391</b>	<b>411</b>	<b>356</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	14	46	42
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>283</b>	<b>278</b>	<b>276</b>	<b>253</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	251	245	242	244	212	192	180	356	274	273	283	278	276	253
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>411</b>	<b>391</b>	<b>411</b>	<b>356</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	25	46	46	44
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>273</b>	<b>310</b>	<b>276</b>	<b>255</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	251	245	242	244	212	192	180	356	274	273	273	310	276	255
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>400</b>	<b>423</b>	<b>411</b>	<b>358</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	4.7	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.4
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>20</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	35	24	46	43
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>252</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>283</b>	<b>288</b>	<b>276</b>	<b>254</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>37</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>58</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	20	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	252	245	242	244	212	192	180	356	274	273	283	288	276	254
22 Other Entities	74	74	64	49	37	28	24	41	69	64	64	80	77	88	58
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>325</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>411</b>	<b>402</b>	<b>411</b>	<b>357</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	3	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.2
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>18</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	18	55	38	38	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	25	24	46	42
12 Leaning Juniper	19	20	23	24	26	24	22	19	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>252</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>179</b>	<b>356</b>	<b>274</b>	<b>273</b>	<b>273</b>	<b>288</b>	<b>276</b>	<b>253</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	24	28	24	41	69	64	64	80	77	88	57
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>24</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>57</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	18	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	252	245	242	244	212	192	179	356	274	273	273	288	276	253
22 Other Entities	74	74	64	49	24	28	24	41	69	64	64	80	77	88	57
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>310</b>	<b>284</b>	<b>261</b>	<b>266</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>400</b>	<b>402</b>	<b>411</b>	<b>354</b>

Table A-8: Regional Renewable Resources  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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
<b>2 Total Federal System</b>	<b>20</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>22</b>	<b>12</b>	<b>20</b>	<b>23</b>
<i>-Public Entities-</i>															
3 Coffin Butte	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
4 Klondike III	9.4	9.4	8.1	6.2	3	3.5	3	5.2	8.7	8.1	8.1	10	9.8	11	7.2
5 Roosevelt Landfill	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
6 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
<b>7 Total Public Entities</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>21</b>	<b>18</b>	<b>19</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>22</b>
<i>-Investor-Owned Entities-</i>															
8 Biglow Canyon	47	47	41	31	24	18	15	26	44	41	41	51	49	57	37
9 Hopkins Ridge	31	31	31	33	35	28	25	19	55	38	39	38	43	33	34
10 Horseshoe Bend Wind Park	2.2	2.2	2.1	2.1	2.8	1.8	2.7	2.2	3.2	2.7	2.7	2.8	2.6	2.6	2.5
11 Kettle Falls	46	46	46	46	46	46	46	46	46	46	46	46	14	46	43
12 Leaning Juniper	19	20	23	24	26	24	22	20	37	23	23	29	30	26	25
13 Marengo Wind Project	29	29	29	31	33	26	23	18	51	36	36	36	41	31	32
14 Telocaset	21	21	21	22	23	19	17	13	37	26	26	26	29	22	23
15 Wild Horse Wind Power Project	55	55	52	53	54	50	41	38	84	62	62	66	69	59	57
<b>16 Total Investor-Owned Entities</b>	<b>251</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>244</b>	<b>212</b>	<b>192</b>	<b>180</b>	<b>356</b>	<b>274</b>	<b>274</b>	<b>294</b>	<b>278</b>	<b>276</b>	<b>254</b>
<i>-Other Entities-</i>															
17 Klondike III	74	74	64	49	24	28	24	41	69	64	64	80	77	88	57
<b>18 Total Other Entities</b>	<b>74</b>	<b>74</b>	<b>64</b>	<b>49</b>	<b>24</b>	<b>28</b>	<b>24</b>	<b>41</b>	<b>69</b>	<b>64</b>	<b>64</b>	<b>80</b>	<b>77</b>	<b>88</b>	<b>57</b>
<i>-Renewable Resources-</i>															
19 Federal System	20	20	21	22	25	26	27	27	26	25	25	22	12	20	23
20 Public Entities	25	25	23	21	18	19	18	20	24	23	23	25	25	26	22
21 Investor-Owned Entities	251	251	245	242	244	212	192	180	356	274	274	294	278	276	254
22 Other Entities	74	74	64	49	24	28	24	41	69	64	64	80	77	88	57
<b>23 Total Renewable Resources</b>	<b>370</b>	<b>370</b>	<b>352</b>	<b>335</b>	<b>310</b>	<b>284</b>	<b>261</b>	<b>268</b>	<b>474</b>	<b>386</b>	<b>386</b>	<b>421</b>	<b>391</b>	<b>411</b>	<b>355</b>

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-9  
Cogeneration  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	200	213	212	224	225	222	218	214	214	210	205	202	212
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	78	260	255	251
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	922	940	944	958	959	954	948	941	941	747	925	917	923
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	922	940	944	958	959	954	948	941	941	747	925	917	923
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2264	2279	2290	2291	2304	2295	1657	2281	2285	1854	2265	2252	2191

Table A-9: Regional Cogeneration  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	114	214	210	205	202	209
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	264	260	255	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	841	941	933	925	917	935
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	841	941	933	925	917	935
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2181	2285	2040	2265	2252	2204

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2009 - 2010 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	210	205	202	214
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	140	260	255	256
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	809	925	917	929
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	809	925	917	929
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1916	2265	2252	2198

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2010 - 2011 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	210	205	202	214
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	264	260	255	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	933	925	917	939
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	933	925	917	939
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	2040	2265	2252	2208

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2011 - 2012 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	78	260	255	251
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	647	925	917	916
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	647	925	917	916
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1754	2265	2252	2184

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2012 - 2013 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	264	260	255	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2013 - 2014 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	140	260	255	256
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	709	925	917	921
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	709	925	917	921
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1816	2265	2252	2189



Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2014 - 2015 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	264	260	255	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200

Table A-9: Regional Cogeneration  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	78	260	255	251
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	647	925	917	916
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	647	925	917	916
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1754	2265	2252	2184

Table A-9: Regional Cogeneration  
PNW Loads and Resource Study  
2016 - 2017 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

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 Grays Harbor Paper (Grays Harbor Paper)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
3 Sierra Pacific Aberdeen (Sierra Pacific)	15	14	14	15	15	15	14	14	11	14	16	15	15	13	14
4 WEYCO Energy Center	15	15	15	15	15	8	15	15	15	15	15	15	15	8	14
5 Total Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
<i>-Investor_Owned Entities-</i>															
6 Coyote Springs #1	202	202	207	213	220	224	225	222	218	214	214	110	205	202	205
7 Coyote Springs #2	257	257	262	268	272	274	274	273	270	267	267	264	260	255	266
8 Georgia-Pacific Paper (Camas)	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
9 Hermiston Cogeneration	406	406	406	406	406	406	406	406	406	406	406	406	406	406	406
10 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
11 Total Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
<i>-Other Entities-</i>															
12 Coyote Springs #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Georgia Pacific Toledo	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
14 Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	568
15 Klamath Cogeneration Project	455	455	455	455	455	455	455	455	455	455	455	227	455	455	436
16 Longview Fibre Cogen 1-7	34	34	34	32	34	27	32	28	26	33	36	32	32	32	31
17 SP Newsprint Cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 Weyerhaeuser Albany (Weyerhaeuser)	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
19 Weyerhaeuser Longview (Weyerhaeuser)	36	36	35	33	38	39	40	39	32	33	33	28	34	38	35
20 Total Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
<i>-Cogeneration-</i>															
21 Federal System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Public Entities	35	34	34	35	35	28	34	34	31	34	36	35	35	26	33
23 Investor-Owned Entities	918	918	929	940	951	958	959	954	948	941	941	833	925	917	931
24 Other Entities	1309	1309	1309	1304	1311	1305	1311	1306	678	1305	1308	1072	1305	1309	1236
25 Total Cogeneration	2263	2262	2271	2279	2297	2291	2304	2295	1657	2281	2285	1940	2265	2252	2200

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-10  
Large Thermal  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	38	0	10.0	51	51	45
2 Portland General Electric	335	335	335	335	335	335	335	335	335	246	0	65	335	335	295
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	56	0	15	76	76	67
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	38	0	10.0	51	51	45
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>377</b>	<b>0</b>	<b>100</b>	<b>514</b>	<b>514</b>	<b>453</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	114	0	143	143	143	136
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>114</b>	<b>0</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>136</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	14	33	143	123
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>14</b>	<b>33</b>	<b>143</b>	<b>123</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>

Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	15	82	154	136
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	30	164	307	272
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>45</b>	<b>246</b>	<b>461</b>	<b>408</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	103	103	103	103	0	69	103	103	103	103	103	103	103	103	92
<b>43 Valmy #1: Regional Total</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>0</b>	<b>69</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>92</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	120	120	82	86	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>82</b>	<b>86</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
47 Public Entities	51	51	51	51	51	51	51	51	51	38	0	10.0	51	51	45
48 Investor-Owned Entities	4084	4084	4084	4084	3981	4050	4084	4084	4084	3932	3400	3103	3759	4084	3929
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6315</b>	<b>6384</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6252</b>	<b>5683</b>	<b>4809</b>	<b>6093</b>	<b>6418</b>	<b>6208</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2008 - 2009 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	51	31	0	14	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	335	201	0	89	335	281
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	76	46	0	20	76	64
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	51	31	0	14	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>309</b>	<b>0</b>	<b>137</b>	<b>514</b>	<b>431</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	69	0	78	120
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>69</b>	<b>0</b>	<b>78</b>	<b>120</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	132	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>132</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	102	106	106	105
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	68	71	71	70
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	136	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	170	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>475</b>	<b>495</b>	<b>495</b>	<b>492</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	185	0	0	151	212	212	187
24 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
25 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
26 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>616</b>	<b>0</b>	<b>0</b>	<b>502</b>	<b>707</b>	<b>707</b>	<b>624</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>498</b>	<b>0</b>	<b>764</b>	<b>878</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	64	161	161	161	157
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	129	322	322	322	314
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>193</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>471</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	5.3	163	163	150
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	11	325	325	299
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>16</b>	<b>488</b>	<b>488</b>	<b>449</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	0	64	159	159	159	148
37 Pacific Power	318	318	318	318	318	318	318	318	318	0	127	318	318	318	297
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>0</b>	<b>191</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>445</b>



Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	103	103	103	40	103	103	103	103	103	103	103	103	103	103	98
<b>43 Valmy #1: Regional Total</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>40</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>98</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
47 Public Entities	51	51	51	51	51	51	51	51	51	51	31	0	14	51	43
48 Investor-Owned Entities	4084	4084	4084	4021	4084	4084	4084	4084	3950	2900	2575	2826	3602	4019	3805
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6355</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6284</b>	<b>5234</b>	<b>4889</b>	<b>3991</b>	<b>4868</b>	<b>6087</b>	<b>5929</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2009 - 2010 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Boardman: Coal-</i>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	51	51	10.0	51	51	48
2 Portland General Electric	335	335	335	335	335	335	335	335	335	335	335	65	335	335	313
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	76	76	15	76	76	71
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	51	51	10.0	51	51	48
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>100</b>	<b>514</b>	<b>514</b>	<b>480</b>
<i>-Centralia #1: Coal-</i>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>566</b>	<b>0</b>	<b>0</b>	<b>445</b>	<b>626</b>	<b>626</b>	<b>554</b>
<i>-Centralia #2: Coal-</i>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<i>-Colstrip #1: Coal-</i>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	130	143	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>142</b>
<i>-Colstrip #2: Coal-</i>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<i>-Colstrip #3: Coal-</i>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
19 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
20 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>431</b>	<b>0</b>	<b>0</b>	<b>351</b>	<b>495</b>	<b>495</b>	<b>437</b>
<i>-Colstrip #4: Coal-</i>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<i>-Columbia Generating Station: Uranium-</i>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>
<i>-Jim Bridger #1: Coal-</i>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<i>-Jim Bridger #2: Coal-</i>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>
<i>-Jim Bridger #3: Coal-</i>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>

Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	62	154	154	154	150
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	123	307	307	307	300
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>185</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>450</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	103	103	103	103	76	0	96	103	103	103	103	103	103	103	92
<b>43 Valmy #1: Regional Total</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>76</b>	<b>0</b>	<b>96</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>92</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
47 Public Entities	51	51	51	51	51	51	51	51	51	51	51	10.0	51	51	48
48 Investor-Owned Entities	4084	4084	4084	4084	4056	3981	4077	4084	3978	3589	3300	3513	4084	4084	3963
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1192	626	626	1071	1253	1253	1180
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6390</b>	<b>6315</b>	<b>6411</b>	<b>6418</b>	<b>6251</b>	<b>5296</b>	<b>5007</b>	<b>5624</b>	<b>6418</b>	<b>6418</b>	<b>6221</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2010 - 2011 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Boardman: Coal-</i>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	51	24	15	51	51	47
2 Portland General Electric	335	335	335	335	335	335	335	335	335	335	156	97	335	335	308
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	76	36	22	76	76	70
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	51	24	15	51	51	47
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>240</b>	<b>149</b>	<b>514</b>	<b>514</b>	<b>472</b>
<i>-Centralia #1: Coal-</i>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<i>-Centralia #2: Coal-</i>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>566</b>	<b>0</b>	<b>0</b>	<b>445</b>	<b>626</b>	<b>626</b>	<b>554</b>
<i>-Colstrip #1: Coal-</i>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<i>-Colstrip #2: Coal-</i>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	65	14	143	126
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>65</b>	<b>14</b>	<b>143</b>	<b>126</b>
<i>-Colstrip #3: Coal-</i>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<i>-Colstrip #4: Coal-</i>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<i>-Columbia Generating Station: Uranium-</i>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	432	0	831	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>432</b>	<b>0</b>	<b>831</b>	<b>878</b>
<i>-Jim Bridger #1: Coal-</i>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	86	41	161	161	148
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	172	83	322	322	296
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>257</b>	<b>124</b>	<b>483</b>	<b>483</b>	<b>444</b>
<i>-Jim Bridger #2: Coal-</i>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	65	163	163	163	159
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	130	325	325	325	317
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>195</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>476</b>
<i>-Jim Bridger #3: Coal-</i>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	144	16	159	146
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	287	32	318	292
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>431</b>	<b>48</b>	<b>477</b>	<b>437</b>

Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	103	103	103	43	93	103	103	103	103	103	103	103	103	103	97
<b>43 Valmy #1: Regional Total</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>43</b>	<b>93</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>97</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	432	0	831	878
47 Public Entities	51	51	51	51	51	51	51	51	51	51	51	24	15	51	47
48 Investor-Owned Entities	4084	4084	4084	4024	4074	4084	4084	4084	4042	4084	3278	3218	3526	4084	3922
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1192	626	626	1071	1253	1253	1180
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6358</b>	<b>6408</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6315</b>	<b>5792</b>	<b>4959</b>	<b>4736</b>	<b>4830</b>	<b>6219</b>	<b>6028</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2011 - 2012 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	78	4.8	143	126
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>78</b>	<b>4.8</b>	<b>143</b>	<b>126</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	132	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>132</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	185	0	0	151	212	212	187
24 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
25 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
26 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>616</b>	<b>0</b>	<b>0</b>	<b>502</b>	<b>707</b>	<b>707</b>	<b>624</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>

Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	20	138	154	141
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	40	277	307	283
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>60</b>	<b>415</b>	<b>461</b>	<b>424</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	103	103	103	40	89	103	103	103	103	110	110	110	110	110	99
<b>43 Valmy #1: Regional Total</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>40</b>	<b>89</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>103</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>99</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
47 Public Entities	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
48 Investor-Owned Entities	4084	4084	4084	4021	4070	4084	4084	4084	3950	2921	2881	2933	3907	4091	3858
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6355</b>	<b>6404</b>	<b>6418</b>	<b>6418</b>	<b>6418</b>	<b>6284</b>	<b>5203</b>	<b>5164</b>	<b>4630</b>	<b>6241</b>	<b>6425</b>	<b>6134</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2012 - 2013 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	130	143	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
19 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
20 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>431</b>	<b>0</b>	<b>0</b>	<b>351</b>	<b>495</b>	<b>495</b>	<b>437</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>332</b>	<b>0</b>	<b>930</b>	<b>878</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	129	161	161	161	160
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	257	322	322	322	319
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>386</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>479</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	121	76	0	163	163	163	149
34 Pacific Power	325	325	325	325	325	325	325	325	241	152	0	325	325	325	298
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>362</b>	<b>228</b>	<b>0</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>446</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	64	159	159	159	155
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	127	318	318	318	310
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>191</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>465</b>



Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	110	110	110	110	59	0	36	110	110	114	114	114	114	114	92
<b>43 Valmy #1: Regional Total</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>110</b>	<b>59</b>	<b>0</b>	<b>36</b>	<b>110</b>	<b>110</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>92</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
47 Public Entities	51	51	51	51	51	51	51	51	51	51	0	0	51	51	43
48 Investor-Owned Entities	4091	4091	4091	4091	4040	3981	4016	4091	3859	2877	2253	3434	4095	4095	3871
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6425</b>	<b>6425</b>	<b>6425</b>	<b>6425</b>	<b>6374</b>	<b>6315</b>	<b>6350</b>	<b>6425</b>	<b>6193</b>	<b>5160</b>	<b>4535</b>	<b>4433</b>	<b>5399</b>	<b>6329</b>	<b>5995</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2013 - 2014 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	65	14	143	126
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>65</b>	<b>14</b>	<b>143</b>	<b>126</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	0	64	159	159	159	148
37 Pacific Power	318	318	318	318	318	318	318	318	318	0	127	318	318	318	297
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>0</b>	<b>191</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>445</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2013 - 2014 Operating Year  
[43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	15	82	154	136
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	30	164	307	272
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>45</b>	<b>246</b>	<b>461</b>	<b>408</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	114	114	114	114	114	78	82	114	114	114	114	114	114	114	109
<b>43 Valmy #1: Regional Total</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>78</b>	<b>82</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>109</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
47 Public Entities	51	51	51	51	51	51	51	51	51	51	0	0	51	51	43
48 Investor-Owned Entities	4095	4095	4095	4095	4095	4059	4062	4095	4053	3155	3307	3084	3751	4095	3901
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6393</b>	<b>6396</b>	<b>6429</b>	<b>6387</b>	<b>5438</b>	<b>5589</b>	<b>4780</b>	<b>6086</b>	<b>6429</b>	<b>6178</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2014 - 2015 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	40	626	626	577
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>40</b>	<b>626</b>	<b>626</b>	<b>577</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	78	4.8	143	126
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>78</b>	<b>4.8</b>	<b>143</b>	<b>126</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	132	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>132</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	185	0	0	151	212	212	187
24 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
25 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
26 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>616</b>	<b>0</b>	<b>0</b>	<b>502</b>	<b>707</b>	<b>707</b>	<b>624</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>498</b>	<b>0</b>	<b>764</b>	<b>878</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	86	41	161	161	148
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	172	83	322	322	296
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>257</b>	<b>124</b>	<b>483</b>	<b>483</b>	<b>444</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	5.3	163	163	150
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	11	325	325	299
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>16</b>	<b>488</b>	<b>488</b>	<b>449</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>

Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	114	114	114	114	114	78	82	114	114	114	114	114	114	114	109
<b>43 Valmy #1: Regional Total</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>78</b>	<b>82</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>109</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
47 Public Entities	51	51	51	51	51	51	51	51	51	51	0	0	51	51	43
48 Investor-Owned Entities	4095	4095	4095	4095	4095	4059	4062	4095	3962	2925	2659	2508	3957	4095	3826
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	1253	667	1253	1253	1204
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6393</b>	<b>6396</b>	<b>6429</b>	<b>6296</b>	<b>5208</b>	<b>4942</b>	<b>3672</b>	<b>5261</b>	<b>6163</b>	<b>5950</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2015 - 2016 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>566</b>	<b>0</b>	<b>0</b>	<b>445</b>	<b>626</b>	<b>626</b>	<b>554</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	130	143	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	92	0	0	75	106	106	94
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	62	0	0	50	71	71	62
19 Portland General Electric	141	141	141	141	141	141	141	141	123	0	0	100	141	141	125
20 Puget Sound Energy	177	177	177	177	177	177	177	177	154	0	0	126	177	177	156
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>431</b>	<b>0</b>	<b>0</b>	<b>351</b>	<b>495</b>	<b>495</b>	<b>437</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	322	322	322	322	322
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	325	325	325	325	325
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	144	16	159	146
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	287	32	318	292
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>431</b>	<b>48</b>	<b>477</b>	<b>437</b>

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2015 - 2016 Operating Year  
[43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	62	154	154	154	150
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	123	307	307	307	300
41 Jim Bridger #4: Regional Total	461	461	461	461	461	461	461	461	461	461	185	461	461	461	450
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	114	114	114	114	114	78	82	114	114	114	114	114	114	114	109
43 Valmy #1: Regional Total	114	114	114	114	114	78	82	114	114	114	114	114	114	114	109
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
45 Valmy #2: Regional Total	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
47 Public Entities	51	51	51	51	51	51	51	51	51	51	0	0	51	51	43
48 Investor-Owned Entities	4095	4095	4095	4095	4095	4059	4062	4095	3989	3137	2848	3388	3666	4095	3894
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1192	626	626	1071	1253	1253	1180
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51 Total Large Thermal	6429	6429	6429	6429	6429	6393	6396	6429	6263	4794	4504	5490	6000	6429	6147

Table A-10: Regional Large Thermal  
PNW Loads and Resource Study  
2016 - 2017 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Boardman: Coal-</b>															
1 Idaho Power Company	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
2 Portland General Electric	335	335	335	335	335	335	335	335	335	0	0	0	335	335	279
3 San Diego Gas & Electric	76	76	76	76	76	76	76	76	76	0	0	0	76	76	63
4 Turlock Irrigation District	51	51	51	51	51	51	51	51	51	0	0	0	51	51	43
<b>5 Boardman: Regional Total</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>514</b>	<b>514</b>	<b>429</b>
<b>-Centralia #1: Coal-</b>															
6 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
<b>7 Centralia #1: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>
<b>-Centralia #2: Coal-</b>															
8 TransAlta Energy Marketing	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
<b>9 Centralia #2: Regional Total</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>626</b>	<b>566</b>	<b>0</b>	<b>0</b>	<b>445</b>	<b>626</b>	<b>626</b>	<b>554</b>
<b>-Colstrip #1: Coal-</b>															
10 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	130	143	143	142
<b>12 Colstrip #1: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>130</b>	<b>143</b>	<b>143</b>	<b>142</b>
<b>-Colstrip #2: Coal-</b>															
13 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Puget Sound Energy	143	143	143	143	143	143	143	143	143	143	143	65	14	143	126
<b>15 Colstrip #2: Regional Total</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>143</b>	<b>65</b>	<b>14</b>	<b>143</b>	<b>126</b>
<b>-Colstrip #3: Coal-</b>															
16 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	98	106	106	106	106
17 Northwestern Energy LLC (MPC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Pacific Power	71	71	71	71	71	71	71	71	71	71	65	71	71	71	71
19 Portland General Electric	141	141	141	141	141	141	141	141	141	141	130	141	141	141	141
20 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	163	177	177	177	176
<b>21 Colstrip #3: Regional Total</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>455</b>	<b>495</b>	<b>495</b>	<b>495</b>	<b>494</b>
<b>-Colstrip #4: Coal-</b>															
22 Avista Corp (WWP Division)	106	106	106	106	106	106	106	106	106	106	106	102	106	106	106
23 Northwestern Energy LLC (MPC)	212	212	212	212	212	212	212	212	212	212	212	204	212	212	212
24 Pacific Power	71	71	71	71	71	71	71	71	71	71	71	68	71	71	71
25 Portland General Electric	141	141	141	141	141	141	141	141	141	141	141	136	141	141	141
26 Puget Sound Energy	177	177	177	177	177	177	177	177	177	177	177	170	177	177	176
<b>27 Colstrip #4: Regional Total</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>707</b>	<b>679</b>	<b>707</b>	<b>707</b>	<b>705</b>
<b>-Columbia Generating Station: Uranium-</b>															
28 BPA - Power Business	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
<b>29 Columbia Gen. Station: Regional Total</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>1030</b>	<b>399</b>	<b>0</b>	<b>864</b>	<b>878</b>
<b>-Jim Bridger #1: Coal-</b>															
30 Idaho Power Company	161	161	161	161	161	161	161	161	161	161	129	161	161	161	160
31 Pacific Power	322	322	322	322	322	322	322	322	322	322	257	322	322	322	319
<b>32 Jim Bridger #1: Regional Total</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>386</b>	<b>483</b>	<b>483</b>	<b>483</b>	<b>479</b>
<b>-Jim Bridger #2: Coal-</b>															
33 Idaho Power Company	163	163	163	163	163	163	163	163	163	163	65	163	163	163	159
34 Pacific Power	325	325	325	325	325	325	325	325	325	325	130	325	325	325	317
<b>35 Jim Bridger #2: Regional Total</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>195</b>	<b>488</b>	<b>488</b>	<b>488</b>	<b>476</b>
<b>-Jim Bridger #3: Coal-</b>															
36 Idaho Power Company	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
37 Pacific Power	318	318	318	318	318	318	318	318	318	318	318	318	318	318	318
<b>38 Jim Bridger #3: Regional Total</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>	<b>477</b>



Table A-10: Regional Large Thermal  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Jim Bridger #4: Coal-</i>															
39 Idaho Power Company	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
40 Pacific Power	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
<b>41 Jim Bridger #4: Regional Total</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>	<b>461</b>
<i>-Valmy #1: Coal-</i>															
42 Idaho Power Company	114	114	114	74	114	114	102	114	114	114	114	114	114	114	110
<b>43 Valmy #1: Regional Total</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>74</b>	<b>114</b>	<b>114</b>	<b>102</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>114</b>	<b>110</b>
<i>-Valmy #2: Coal-</i>															
44 Idaho Power Company	120	120	120	120	120	120	120	120	78	120	120	107	120	120	116
<b>45 Valmy #2: Regional Total</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>120</b>	<b>78</b>	<b>120</b>	<b>120</b>	<b>107</b>	<b>120</b>	<b>120</b>	<b>116</b>
<i>-Total Large Thermal-</i>															
46 Federal System	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
47 Public Entities	51	51	51	51	51	51	51	51	51	51	0	0	51	51	43
48 Investor-Owned Entities	4095	4095	4095	4055	4095	4095	4083	4095	4053	3632	3202	3500	3966	4095	3970
49 Other Entities	1253	1253	1253	1253	1253	1253	1253	1253	1192	626	626	1071	1253	1253	1180
50 Non-NW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Total Large Thermal</b>	<b>6429</b>	<b>6429</b>	<b>6429</b>	<b>6389</b>	<b>6429</b>	<b>6429</b>	<b>6417</b>	<b>6429</b>	<b>6326</b>	<b>5289</b>	<b>4859</b>	<b>4970</b>	<b>5271</b>	<b>6263</b>	<b>6071</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-11  
Restoration  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

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

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-12  
Canadian Entitlement Return for CSPE  
Monthly OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-13  
Columbia Storage Power Exchange Purchase (CSPE)  
Monthly OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-14  
Supplemental & Entitlement Capacity  
Monthly OY 2008 – 2017  
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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-15  
Canadian Entitlement Return for Canada  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.7</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>36</b>
<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
<b>73 Wells: Regional Totals</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>
<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
<b>79 Total CER For Canada</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>131</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF to BPA	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>6.7</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>36</b>
<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
<b>73 Wells: Regional Totals</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>
<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
<b>79 Total CER For Canada</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>132</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF 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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.0</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.1</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>
<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
<b>73 Wells: Regional Totals</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>24</b>
<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
<b>79 Total CER For Canada</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>137</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>138</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF 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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.2</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.2</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>
<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
<b>73 Wells: Regional Totals</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>25</b>
<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
<b>79 Total CER For Canada</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>141</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>140</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF 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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7.1</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7.1</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>38</b>
<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
<b>73 Wells: Regional Totals</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
<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
<b>79 Total CER For Canada</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>139</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>139</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 MTRF 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 UnknMKT 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 MTRF 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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>7.0</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>
<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
<b>73 Wells: Regional Totals</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
<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
<b>79 Total CER For Canada</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>138</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>137</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-BPA Canada-</b>															
1 BPA: Regional Totals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>-Priest Rapids CER for Canada-</b>															
2 AVWP to BPA	1	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 MTRF 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 UnknMKT 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
<b>-Wanapum CER for Canada-</b>															
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 MTRF 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 UnknMKT 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  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>
<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
<b>73 Wells: Regional Totals</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>
<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
<b>79 Total CER For Canada</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>136</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
<b>1 BPA: Regional Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<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 MTRF 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 UnknMKT 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
<b>26 Priest Rapids: Regional Totals</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>
<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 MTRF 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 UnknMKT 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
<b>51 Wanapum: Regional Totals</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.9</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<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
<b>73 Wells: Regional Totals</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>24</b>
<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
<b>79 Total CER For Canada</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>135</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>134</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-BPA Canada-</i>															
<b>1 BPA: Regional Totals</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<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 MTRF 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 UnknMKT 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
<b>26 Priest Rapids: Regional Totals</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>29</b>
<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 MTRF 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 UnknMKT 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
<b>51 Wanapum: Regional Totals</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>27</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>11</b>
<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
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.8</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.8</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<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
<b>73 Wells: Regional Totals</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>
<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
<b>79 Total CER For Canada</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>133</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>133</b>

Table A-15: Canadian Entitlement Return For Canada  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	0.8	0.8	0.8	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 MTRF 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	1.2	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	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 UnknMKT 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
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	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	0.2	0.2	0.2	0.2	0.2	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 MTRF 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	2	2	2	2	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	2	2	2	2	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 UnknMKT 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	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  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

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
<b>54 Rock Island P.H. #1: Regional Totals</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<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	3.4
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	3.4
<b>57 Rock Island P.H. #2: Regional Totals</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.7</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.6</b>	<b>6.7</b>
<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
<b>65 Rocky Reach: Regional Totals</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>36</b>
<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
<b>73 Wells: Regional Totals</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>23</b>
<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	65	65	65	65	65	65
76 Investor-Owned Entities	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56
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
<b>79 Total CER For Canada</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>132</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>131</b>

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-16  
Intra-Regional Transfers  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 Other Entities	104	104	102	75	75	75	0	0	0	0	0	0	0	0	36
6 BPA To PPL S/Pwr/X	0	0	0	0	0	0	0	0	0	0	0	0	35	34	5.7
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 PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
9 BPA To PPL CapS	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
10 BPA To PSE WP3Set	0	0	0	0	101	101	101	101	50	50	50	0	0	0	42
11 BPA To PSE PwrS	0	0	0	0	2.4	2.4	2.4	2.5	0	0	0	0	0	0	0.8
12 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
13 CHPD To PGE S/N/X	18	18	17	8.7	0	0	0	0	0	0	0	0	17	18	6.6
14 CIDF To UPL PwrS	14	14	0.5	0	0	0	0	0	0	0	0	12	18	20	5.4
15 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 ENW To BCPD PwrS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17 ENW To FCPD PwrS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18 EWEB To COPD PwrS	25	25	25	25	25	25	25	25	25	0	0	0	0	0	17
19 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
21 GCPD To EWEB PwrS	5.5	5.5	5.3	5.3	5.4	5.4	4.9	4.9	5.0	7.3	7.3	8.9	8.8	7.7	6.2
22 GCPD To FGRV PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
23 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
24 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
25 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 GCPD To MCMN PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
29 GCPD To MTRF PwrS	2	2	2	2	2	1	1	1	2	2	2	3	3	2	1.9
30 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	50
31 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	50
32 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
33 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
34 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
35 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
36 NWCP To PSE PwrS	2.4	2.4	4.7	4.9	4.9	4.5	3.7	3.4	4.8	2.3	2.3	4.4	4.3	4.7	4.1
37 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
38 NWE To PSE PwrS	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
39 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
40 Other Entities To BPA	153	153	140	75	75	75	0	0	0	0	0	0	0	0	43
41 Other Entities To DOPD	16	16	16	24	24	24	25	23	24	16	16	16	16	16	20
42 Other Entities To PGE	190	190	188	190	489	588	589	589	489	489	489	175	175	189	362
43 Other Entities To SHPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
44 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
45 PGE To CHPD S/N/X	10	10	16	8.7	11	10	10	10	0	0	0	0	10	10	8
46 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
47 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
48 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
49 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 PPL To BPA PkRepl	184	184	194	183	229	187	211	192	177	173	173	167	174	159	186
51 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
52 PPL To CLKM PwrS	55	55	80	82	80	53	53	55	55	55	55	53	55	53	61
53 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
54 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
55 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
56 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
57 SHPD To PSE PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
58 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
<b>60 Total Contracts</b>	<b>1965</b>	<b>1967</b>	<b>2144</b>	<b>2086</b>	<b>2725</b>	<b>2745</b>	<b>2602</b>	<b>2521</b>	<b>2253</b>	<b>2259</b>	<b>2259</b>	<b>1607</b>	<b>1910</b>	<b>1759</b>	<b>2215</b>
<i>-Total Contracts Out-</i>															
61 Federal System	318	319	355	383	686	699	622	559	411	379	379	184	244	243	424
62 Public Entities	432	432	401	348	343	341	325	325	331	376	376	443	466	432	380
63 Investor-Owned Entities	758	758	934	917	959	868	891	875	850	849	849	640	860	730	844
64 Other Entities	383	384	380	362	662	762	763	762	662	654	654	340	340	354	535
<b>65 Total Contracts Out</b>	<b>1890</b>	<b>1892</b>	<b>2069</b>	<b>2011</b>	<b>2650</b>	<b>2670</b>	<b>2602</b>	<b>2521</b>	<b>2253</b>	<b>2259</b>	<b>2259</b>	<b>1607</b>	<b>1910</b>	<b>1759</b>	<b>2184</b>
<i>-Total Contracts In-</i>															
66 Federal System	358	358	490	414	456	392	341	322	307	306	306	188	307	180	339
67 Public Entities	240	240	246	245	248	245	242	241	234	214	214	225	235	226	237
68 Investor-Owned Entities	1192	1192	1210	1253	1849	1963	1949	1886	1640	1666	1666	1124	1296	1284	1526
69 Other Entities	101	101	123	99	96	70	70	72	72	72	72	70	72	70	82
<b>70 Total Contracts In</b>	<b>1890</b>	<b>1892</b>	<b>2069</b>	<b>2011</b>	<b>2650</b>	<b>2670</b>	<b>2602</b>	<b>2521</b>	<b>2253</b>	<b>2259</b>	<b>2259</b>	<b>1607</b>	<b>1910</b>	<b>1759</b>	<b>2184</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 BPA To PSE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 CCPD To Other Entities	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
12 CHPD To PGE S/N/X	18	18	18	8.4	0	0	0	0	0	0	0	0	18	18	6.7
13 CIDF To UPL PwrS	15	15	0	0	0	0	0	0	0	0	0	12	19	20	5.4
14 DOPD To Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 ENW To BCPD PwrS	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0.3
16 ENW To FCPD PwrS	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0.3
17 EWEB To PGE CapS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18 GCPD To AVWP PwrS	20	20	19	19	19	19	17	18	18	26	26	32	32	28	22
19 GCPD To EWEB PwrS	5.5	5.5	5.3	5.3	5.4	5.4	4.9	4.9	5.0	7.3	7.3	8.9	8.8	7.7	6.2
20 GCPD To FGRV PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
21 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
22 GCPD To KITT PwrS	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1.2
23 GCPD To KOOT 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 LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
26 GCPD To MCMN PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
27 GCPD To MTRF PwrS	2	2	2	2	2	2	1	1	2	2	2	3	3	2	2
28 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	50
29 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	60	60	73	72	63	50
30 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
31 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	42	36	29
32 GCPD To TPU PwrS	21	21	20	20	20	20	18	18	18	27	27	33	33	29	23
33 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
34 NWCPC To PSE PwrS	2.4	2.4	4.7	4.9	4.9	4.5	3.7	3.4	4.8	2.3	2.3	4.4	4.3	4.7	4.1
35 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
36 NWE To PSE PwrS	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
37 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
38 Other Entities To DOPD	17	17	17	27	26	28	28	25	27	17	17	17	17	17	22
39 Other Entities To PGE	189	189	189	190	488	589	589	589	489	489	489	175	175	189	362
40 Other Entities To SHPD	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
41 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42 PGE To CHPD S/N/X	10	10	16	8.7	11	10	10	10	0	0	0	0	10	10	8
43 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
44 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
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 BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
48 PPL To BPA PwrS	10	10	10	10	10	10	10	10	10	10	10	10	4.7	0	8.7
49 PPL To CLKM PwrS	55	55	80	82	80	53	53	55	55	55	55	53	55	53	61
50 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
51 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
52 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
53 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
54 SHPD To PSE PwrS	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
55 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
56 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
57 Total Contracts	1684	1686	1879	1908	2544	2570	2572	2504	2226	2255	2255	1691	1814	1745	2116

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Total Contracts Out-</i>															
58 Federal System	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
59 Public Entities	358	358	337	318	313	314	295	295	301	371	371	438	462	427	352
60 Investor-Owned Entities	758	758	934	917	959	867	891	882	850	849	849	728	767	720	844
61 Other Entities	355	355	355	366	664	766	766	763	665	655	655	341	341	355	533
<b>62 Total Contracts Out</b>	<b>1684</b>	<b>1686</b>	<b>1879</b>	<b>1908</b>	<b>2544</b>	<b>2570</b>	<b>2572</b>	<b>2504</b>	<b>2226</b>	<b>2255</b>	<b>2255</b>	<b>1691</b>	<b>1814</b>	<b>1745</b>	<b>2116</b>
<i>-Total Contracts In-</i>															
63 Federal System	205	206	350	339	381	317	341	329	307	306	306	188	302	170	295
64 Public Entities	216	216	222	218	220	222	215	212	207	210	210	221	231	222	218
65 Investor-Owned Entities	1191	1192	1211	1253	1846	1961	1946	1890	1640	1666	1666	1212	1209	1284	1526
66 Other Entities	72	72	96	99	97	70	70	72	72	72	72	70	72	70	78
<b>67 Total Contracts In</b>	<b>1684</b>	<b>1686</b>	<b>1879</b>	<b>1908</b>	<b>2544</b>	<b>2570</b>	<b>2572</b>	<b>2504</b>	<b>2226</b>	<b>2255</b>	<b>2255</b>	<b>1691</b>	<b>1814</b>	<b>1745</b>	<b>2116</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 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 PPL CapS	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
8 BPA To PPL PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
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	8.4	0	0	0	0	0	0	0	0	18	18	6.7
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 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27	22
16 GCPD To EWEB PwrS	5.5	5.5	5.3	5.3	5.4	5.4	4.9	4.9	4.9	7.3	7.3	8.9	8.8	7.7	6.2
17 GCPD To FGRV PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	1	1	1	1	0	0	0	1	1	1	1	1	0.8
20 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 GCPD To MCMN PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
24 GCPD To MTRF PwrS	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1.6
25 GCPD To PGE PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	62	50
26 GCPD To PPL PwrS	45	45	43	43	44	44	40	40	40	59	59	72	72	62	50
27 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
28 GCPD To PSE PwrS	26	26	25	25	25	25	23	23	23	34	34	42	41	36	29
29 GCPD To TPU PwrS	21	21	20	20	11	11	9.7	9.8	9.8	15	15	18	18	15	15
30 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
31 NWCP To PSE PwrS	2.4	2.4	4.7	4.9	4.9	4.5	3.7	3.4	4.8	2.3	2.3	4.4	4.3	4.7	4.1
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 NWE To PSE PwrS	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
34 Other Entities To AVWP	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
35 Other Entities To DOPD	19	19	19	29	28	31	29	27	29	19	19	19	19	19	24
36 Other Entities To PGE	189	189	189	190	488	589	575	575	475	475	475	175	175	175	356
37 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 PGE To CHPD S/N/X	10	10	16	8.7	11	10	10	10	0	0	0	0	10	10	8
39 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
40 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
41 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
43 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
44 PPL To CLKM PwrS	55	55	80	82	80	53	53	55	55	55	55	53	55	53	61
45 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
46 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
47 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
48 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
49 SHPD To PSE PwrS	8	8	8	8	8	8	8	8	0	0	0	0	0	0	4.7
50 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
51 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	179	94	94	161	188	188	177
<b>52 Total Contracts</b>	<b>1646</b>	<b>1648</b>	<b>1841</b>	<b>1875</b>	<b>2498</b>	<b>2524</b>	<b>2514</b>	<b>2446</b>	<b>2149</b>	<b>2092</b>	<b>2092</b>	<b>1602</b>	<b>1845</b>	<b>1685</b>	<b>2060</b>
<i>-Total Contracts Out-</i>															
53 Federal System	214	214	253	308	609	622	619	564	411	379	379	184	244	243	387
54 Public Entities	353	353	333	318	300	301	285	285	279	350	350	409	433	404	337
55 Investor-Owned Entities	748	748	924	907	949	857	881	872	831	745	745	691	850	720	831

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Other Entities	332	332	332	342	641	744	728	726	628	618	618	318	318	318	504
<b>57 Total Contracts Out</b>	<b>1646</b>	<b>1648</b>	<b>1841</b>	<b>1875</b>	<b>2498</b>	<b>2524</b>	<b>2514</b>	<b>2446</b>	<b>2149</b>	<b>2092</b>	<b>2092</b>	<b>1602</b>	<b>1845</b>	<b>1685</b>	<b>2060</b>
<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	188	188	194	195	185	187	182	180	172	174	174	179	188	185	184
60 Investor-Owned Entities	1191	1191	1211	1253	1845	1960	1931	1875	1608	1549	1549	1175	1287	1261	1512
61 Other Entities	72	72	96	99	97	70	70	72	72	72	72	70	72	70	78
<b>62 Total Contracts In</b>	<b>1646</b>	<b>1648</b>	<b>1841</b>	<b>1875</b>	<b>2498</b>	<b>2524</b>	<b>2514</b>	<b>2446</b>	<b>2149</b>	<b>2092</b>	<b>2092</b>	<b>1602</b>	<b>1845</b>	<b>1685</b>	<b>2060</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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 PwrS	13	13	42	108	161	215	189	145	117	90	90	0.1	18	34	94
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	8.1	0	0	0	0	0	0	0	0	0	0	3.6
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 GCPD To AVWP PwrS	20	20	19	19	19	19	17	17	18	26	26	32	31	27	22
16 GCPD To EWEB PwrS	5.5	5.5	5.3	5.2	5.4	5.4	4.9	4.9	4.9	7.3	7.3	8.9	8.8	7.7	6.2
17 GCPD To FGRV PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
18 GCPD To FREC PwrS	1	1	1	0	1	1	0	0	0	1	1	1	1	1	0.7
19 GCPD To KITT PwrS	1	1	0	0	1	1	0	0	0	1	1	1	1	1	0.6
20 GCPD To KOOT PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To LVE PwrS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 GCPD To MCMN PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
24 GCPD To MTRF PwrS	2	2	1	1	1	1	1	1	1	2	2	2	2	2	1.4
25 GCPD To PGE PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	62	50
26 GCPD To PPL PwrS	45	45	43	42	44	44	40	40	40	59	59	72	72	62	50
27 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
28 GCPD To PSE PwrS	26	26	25	24	25	25	23	23	23	34	34	42	41	36	29
29 GCPD To TPU PwrS	11	11	11	10	11	11	9.7	9.8	9.8	15	15	18	18	15	12
30 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
31 NWCP To PSE PwrS	2.4	2.4	4.7	4.9	4.9	4.5	3.7	3.4	4.8	2.3	2.3	4.4	4.3	4.7	4.1
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 NWE To PSE PwrS	71	71	71	71	71	71	0	0	0	0	0	0	0	0	30
34 Other Entities To AVWP	100	100	100	100	100	100	0	0	0	0	0	0	0	0	42
35 Other Entities To DOPD	21	21	21	32	32	34	32	30	32	21	21	21	21	21	27
36 Other Entities To PGE	175	175	175	175	475	475	475	475	475	475	475	175	175	175	325
37 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
38 PGE To CHPD S/N/X	10	10	16	8.7	11	10	10	10	0	0	0	0	0	0	6.3
39 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
40 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
41 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
42 PPL To BPA PkRepl	184	184	194	183	229	187	211	199	177	173	173	167	174	159	186
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 CLKM PwrS	55	55	80	82	80	53	53	55	55	55	55	53	55	0	56
45 PPL To SCL RenStg	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
46 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
47 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
48 SCL To PPL RenStg	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58
49 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
50 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	179	94	94	161	188	174
<b>51 Total Contracts</b>	<b>1616</b>	<b>1617</b>	<b>1808</b>	<b>1842</b>	<b>2481</b>	<b>2405</b>	<b>2238</b>	<b>2170</b>	<b>1990</b>	<b>2008</b>	<b>1923</b>	<b>1366</b>	<b>1621</b>	<b>1436</b>	<b>1911</b>
<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	334	334	311	296	292	293	277	277	279	350	350	409	415	386	326
54 Investor-Owned Entities	748	748	924	907	949	857	810	801	769	759	674	553	742	587	780
55 Other Entities	320	320	320	331	631	633	531	529	531	520	520	220	220	220	417



Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
56 Total Contracts Out	1616	1617	1808	1842	2481	2405	2238	2170	1990	2008	1923	1366	1621	1436	1911
<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	181	181	182	184	189	190	185	183	175	176	176	181	180	177	182
59 Investor-Owned Entities	1168	1168	1188	1229	1824	1838	1652	1596	1446	1463	1378	938	1071	1071	1370
60 Other Entities	72	72	96	99	96	70	70	72	72	72	72	70	72	17	73
61 Total Contracts In	1616	1617	1808	1842	2481	2405	2238	2170	1990	2008	1923	1366	1621	1436	1911

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 GCPD To AVWP PwrS	20	20	19	0	0	0	0	0	0	0	0	0	0	0	3.2
15 GCPD To EWEB PwrS	5.5	5.5	5.3	0	0	0	0	0	0	0	0	0	0	0	0.9
16 GCPD To FGRV PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
17 GCPD To FREC PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
18 GCPD To KITT PwrS	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.1
19 GCPD To KOOT PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
20 GCPD To LVE PwrS	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0.2
21 GCPD To LVE PwrS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 GCPD To MCMN PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
23 GCPD To MTRF PwrS	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0.3
24 GCPD To PGE PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0	7.3
25 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
26 GCPD To PPL PwrS	45	45	43	0	0	0	0	0	0	0	0	0	0	0	7.3
27 GCPD To PSE PwrS	26	26	25	0	0	0	0	0	0	0	0	0	0	0	4.2
28 GCPD To TPU PwrS	11	11	11	0	0	0	0	0	0	0	0	0	0	0	1.8
29 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
30 NWCP To PSE PwrS	2.4	2.4	4.7	2.4	2.4	4.7	4.9	4.9	4.5	3.7	3.4	4.8	2.3	2.3	3.7
31 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
32 Other Entities To DOPD	12	12	12	19	19	20	19	18	19	12	12	12	12	12	16
33 Other Entities To PGE	175	175	175	150	150	150	150	150	150	150	150	150	150	150	154
34 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
35 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
36 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
37 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PPL To BPA PkRepl	184	184	0	0	0	0	0	0	0	0	0	0	0	0	15
39 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
40 PPL To SCL RenStg	55	55	55	55	55	55	55	55	56	56	56	0	0	0	32
41 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
42 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
43 SCL To PPL RenStg	55	55	55	55	55	55	0	0	0	0	0	0	0	0	23
44 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
<b>46 Total Contracts</b>	<b>1350</b>	<b>1351</b>	<b>1123</b>	<b>980</b>	<b>1230</b>	<b>1266</b>	<b>1185</b>	<b>1139</b>	<b>954</b>	<b>926</b>	<b>924</b>	<b>551</b>	<b>809</b>	<b>713</b>	<b>1019</b>
<i>-Total Contracts Out-</i>															
47 Federal System	214	214	59	108	363	418	391	347	217	190	188	0.1	53	67	202
48 Public Entities	314	314	290	116	115	119	65	63	63	65	65	81	86	87	122
49 Investor-Owned Entities	611	612	563	563	559	536	536	536	481	485	485	285	485	373	501
50 Other Entities	211	211	211	193	193	194	193	192	193	186	186	186	186	186	194
<b>51 Total Contracts Out</b>	<b>1350</b>	<b>1351</b>	<b>1123</b>	<b>980</b>	<b>1230</b>	<b>1266</b>	<b>1185</b>	<b>1139</b>	<b>954</b>	<b>926</b>	<b>924</b>	<b>551</b>	<b>809</b>	<b>713</b>	<b>1019</b>
<i>-Total Contracts In-</i>															
52 Federal System	195	196	146	146	143	120	120	120	120	123	123	11	123	11	115
53 Public Entities	162	162	157	125	125	126	125	124	70	63	63	63	63	63	106

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
54 Investor-Owned Entities	976	977	802	709	962	1021	940	895	764	739	737	477	623	639	796
55 Other Entities	17	17	17	0	0	0	0	0	0	0	0	0	0	0	2.8
56 Total Contracts In	1350	1351	1123	980	1230	1266	1185	1139	954	926	924	551	809	713	1019

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 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
12 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13 NWCP To PSE PwrS	2.4	2.4	4.7	2.4	2.4	4.7	0	0	0	0	0	0	0	0	1.4
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	14	14	14	22	23	23	23	21	22	14	14	14	14	14	18
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	3	3	3
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 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
23 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
24 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
25 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	188	188	181
<b>26 Total Contracts</b>	<b>654</b>	<b>654</b>	<b>804</b>	<b>873</b>	<b>1124</b>	<b>1159</b>	<b>1129</b>	<b>1082</b>	<b>953</b>	<b>923</b>	<b>923</b>	<b>637</b>	<b>721</b>	<b>713</b>	<b>898</b>
<i>-Total Contracts Out-</i>															
27 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	53	67	184
28 Public Entities	81	81	66	61	60	64	60	58	59	61	61	76	83	85	68
29 Investor-Owned Entities	373	373	508	508	504	481	481	481	481	485	485	373	397	373	454
30 Other Entities	188	188	188	196	197	197	197	195	196	188	188	188	188	188	192
<b>31 Total Contracts Out</b>	<b>654</b>	<b>654</b>	<b>804</b>	<b>873</b>	<b>1124</b>	<b>1159</b>	<b>1129</b>	<b>1082</b>	<b>953</b>	<b>923</b>	<b>923</b>	<b>637</b>	<b>721</b>	<b>713</b>	<b>898</b>
<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	74	74	74	72	73	65	65	65	65	65	69
34 Investor-Owned Entities	578	578	593	654	907	966	935	890	760	735	735	560	533	637	729
35 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>36 Total Contracts In</b>	<b>654</b>	<b>654</b>	<b>804</b>	<b>873</b>	<b>1124</b>	<b>1159</b>	<b>1129</b>	<b>1082</b>	<b>953</b>	<b>923</b>	<b>923</b>	<b>637</b>	<b>721</b>	<b>713</b>	<b>898</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 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
12 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13 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
14 Other Entities To DOPD	16	16	16	24	24	24	25	22	24	16	16	16	16	16	20
15 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
16 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
17 PGE To EWEB PkRepl	3	3	3	3	3	3	3	3	3	3	3	3	0	0	2.5
18 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
19 PPL To BPA S/Pwr/X	0	0	23	23	23	0	0	0	0	0	0	0	0	0	5.7
20 PPL To BPA S/N/X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
22 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
23 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
24 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	100	188	188	181
<b>25 Total Contracts</b>	<b>654</b>	<b>654</b>	<b>801</b>	<b>873</b>	<b>1123</b>	<b>1156</b>	<b>1131</b>	<b>1083</b>	<b>955</b>	<b>925</b>	<b>925</b>	<b>551</b>	<b>773</b>	<b>675</b>	<b>892</b>
<i>-Total Contracts Out-</i>															
26 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
27 Public Entities	78	78	61	59	58	59	60	58	59	61	61	76	83	82	66
28 Investor-Owned Entities	373	373	508	508	504	481	481	481	481	485	485	285	482	370	453
29 Other Entities	190	190	190	198	198	198	199	196	198	190	190	190	190	190	194
<b>30 Total Contracts Out</b>	<b>654</b>	<b>654</b>	<b>801</b>	<b>873</b>	<b>1123</b>	<b>1156</b>	<b>1131</b>	<b>1083</b>	<b>955</b>	<b>925</b>	<b>925</b>	<b>551</b>	<b>773</b>	<b>675</b>	<b>892</b>
<i>-Total Contracts In-</i>															
31 Federal System	11	11	146	146	143	120	120	120	120	123	123	11	123	11	100
32 Public Entities	67	67	67	75	75	75	76	74	75	67	67	67	64	64	71
33 Investor-Owned Entities	576	576	588	652	905	961	935	890	760	735	735	472	586	600	722
34 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>35 Total Contracts In</b>	<b>654</b>	<b>654</b>	<b>801</b>	<b>873</b>	<b>1123</b>	<b>1156</b>	<b>1131</b>	<b>1083</b>	<b>955</b>	<b>925</b>	<b>925</b>	<b>551</b>	<b>773</b>	<b>675</b>	<b>892</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 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
9 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10 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
11 Other Entities To DOPD	18	18	18	27	26	28	28	25	27	18	18	18	18	18	22
12 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
13 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14 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
15 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
16 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
17 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	100	188	181
<b>19 Total Contracts</b>	<b>650</b>	<b>650</b>	<b>774</b>	<b>847</b>	<b>1096</b>	<b>1154</b>	<b>1128</b>	<b>1080</b>	<b>952</b>	<b>921</b>	<b>921</b>	<b>634</b>	<b>685</b>	<b>677</b>	<b>883</b>
<i>-Total Contracts Out-</i>															
20 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
21 Public Entities	76	76	58	56	55	56	57	56	56	58	58	73	81	82	64
22 Investor-Owned Entities	370	370	482	482	478	478	478	478	478	482	482	370	394	370	445
23 Other Entities	192	192	192	201	200	202	202	199	201	192	192	192	192	192	196
<b>24 Total Contracts Out</b>	<b>650</b>	<b>650</b>	<b>774</b>	<b>847</b>	<b>1096</b>	<b>1154</b>	<b>1128</b>	<b>1080</b>	<b>952</b>	<b>921</b>	<b>921</b>	<b>634</b>	<b>685</b>	<b>677</b>	<b>883</b>
<i>-Total Contracts In-</i>															
25 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
26 Public Entities	66	66	66	75	74	76	76	73	75	66	66	66	66	66	71
27 Investor-Owned Entities	573	573	584	649	902	958	932	887	757	732	732	557	495	600	719
28 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>29 Total Contracts In</b>	<b>650</b>	<b>650</b>	<b>774</b>	<b>847</b>	<b>1096</b>	<b>1154</b>	<b>1128</b>	<b>1080</b>	<b>952</b>	<b>921</b>	<b>921</b>	<b>634</b>	<b>685</b>	<b>677</b>	<b>883</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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 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
9 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10 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
11 Other Entities To DOPD	20	20	20	30	29	32	31	29	30	20	20	20	20	20	25
12 Other Entities To PGE	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
13 PGE To AVWP PkRepl	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
14 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
15 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
16 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
17 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	179	94	94	161	188	188	177
<b>19 Total Contracts</b>	<b>652</b>	<b>652</b>	<b>776</b>	<b>850</b>	<b>1099</b>	<b>1158</b>	<b>1130</b>	<b>1084</b>	<b>946</b>	<b>829</b>	<b>829</b>	<b>609</b>	<b>775</b>	<b>679</b>	<b>882</b>
<i>-Total Contracts Out-</i>															
20 Federal System	13	13	42	108	363	418	391	347	217	189	189	0.1	18	34	178
21 Public Entities	75	75	58	56	55	56	57	56	56	58	58	73	81	82	64
22 Investor-Owned Entities	370	370	482	482	478	478	478	478	469	388	388	342	482	370	441
23 Other Entities	194	194	194	204	203	206	205	203	204	194	194	194	194	194	199
<b>24 Total Contracts Out</b>	<b>652</b>	<b>652</b>	<b>776</b>	<b>850</b>	<b>1099</b>	<b>1158</b>	<b>1130</b>	<b>1084</b>	<b>946</b>	<b>829</b>	<b>829</b>	<b>609</b>	<b>775</b>	<b>679</b>	<b>882</b>
<i>-Total Contracts In-</i>															
25 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
26 Public Entities	68	68	68	78	78	80	79	78	78	68	68	68	68	68	73
27 Investor-Owned Entities	573	573	585	649	902	958	932	887	748	638	638	530	583	600	715
28 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>29 Total Contracts In</b>	<b>652</b>	<b>652</b>	<b>776</b>	<b>850</b>	<b>1099</b>	<b>1158</b>	<b>1130</b>	<b>1084</b>	<b>946</b>	<b>829</b>	<b>829</b>	<b>609</b>	<b>775</b>	<b>679</b>	<b>882</b>

Table A-16: Regional Intra-Regional Transfers  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

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	0	0	0	0	0	0	0	0	19
3 BPA To AVWP WP3Set	0	0	0	0	101	101	101	101	50	49	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	49	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 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
9 KLCK To SHPD PwrS	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10 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
11 Other Entities To DOPD	22	22	22	33	33	36	33	35	33	22	22	22	22	22	28
12 Other Entities To PGE	150	150	150	70	70	70	70	70	70	70	70	70	70	70	83
13 PGE To AVWP PkRepl	45	45	45	45	45	45	0	0	0	0	0	0	0	0	19
14 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
15 PSE To BPA WP3Set	0	0	56	56	56	56	56	56	56	56	56	0	56	0	42
16 SCL To POPD PwrS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
17 SPN To PGE PwrS	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
18 TAUC To AVWP PwrS	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
<b>19 Total Contracts</b>	<b>654</b>	<b>654</b>	<b>778</b>	<b>773</b>	<b>1023</b>	<b>1082</b>	<b>964</b>	<b>920</b>	<b>789</b>	<b>755</b>	<b>757</b>	<b>469</b>	<b>608</b>	<b>512</b>	<b>777</b>
<i>-Total Contracts Out-</i>															
20 Federal System	13	13	42	108	363	418	391	347	217	188	190	0.1	18	34	178
21 Public Entities	75	75	58	56	55	56	57	56	56	58	58	73	81	82	64
22 Investor-Owned Entities	370	370	482	402	398	398	309	309	309	313	313	200	313	200	334
23 Other Entities	196	196	196	207	207	210	207	209	207	196	196	196	196	196	202
<b>24 Total Contracts Out</b>	<b>654</b>	<b>654</b>	<b>778</b>	<b>773</b>	<b>1023</b>	<b>1082</b>	<b>964</b>	<b>920</b>	<b>789</b>	<b>755</b>	<b>757</b>	<b>469</b>	<b>608</b>	<b>512</b>	<b>777</b>
<i>-Total Contracts In-</i>															
25 Federal System	11	11	123	123	120	120	120	120	120	123	123	11	123	11	94
26 Public Entities	70	70	70	81	81	84	81	83	81	70	70	70	70	70	76
27 Investor-Owned Entities	573	573	585	569	822	878	763	718	588	562	563	388	414	431	607
28 Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>29 Total Contracts In</b>	<b>654</b>	<b>654</b>	<b>778</b>	<b>773</b>	<b>1023</b>	<b>1082</b>	<b>964</b>	<b>920</b>	<b>789</b>	<b>755</b>	<b>757</b>	<b>469</b>	<b>608</b>	<b>512</b>	<b>777</b>



Table A-17  
Capacity Reserves  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Capacity Reserves are not applicable to energy.

Reports Powered by:



Loads and Resources Information System

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-18  
Wells & Chelan Allocation  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wells-</i>															
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
<i>-Wells-</i>															
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
<i>-Chelan-</i>															
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
<i>-Chelan-</i>															
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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-19  
Rocky Reach & Rock Island Allocation  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-20  
Wanapum & Priest Rapids Allocation  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 MTRF 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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 MTRF 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
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 UnknMKT 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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 MTRF 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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 MTRF 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
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 UnknMKT 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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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
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 UnknMKT 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

Table A-20: Wanapum and Priest Rapids Allocation  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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
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 UnknMKT 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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT 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  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT 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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
1 Wanapum	344	281	387	451	573	532	402	401	401	401	222	222	384	308	391
<b>2 Wanapum Before Enc</b>	<b>344</b>	<b>281</b>	<b>387</b>	<b>451</b>	<b>573</b>	<b>532</b>	<b>402</b>	<b>401</b>	<b>401</b>	<b>401</b>	<b>222</b>	<b>222</b>	<b>384</b>	<b>308</b>	<b>391</b>
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<b>27 Wanapum After Enc</b>	<b>270</b>	<b>208</b>	<b>319</b>	<b>379</b>	<b>500</b>	<b>458</b>	<b>332</b>	<b>332</b>	<b>332</b>	<b>332</b>	<b>153</b>	<b>153</b>	<b>310</b>	<b>235</b>	<b>319</b>
<i>-Priest Rapids-</i>															
28 Priest Rapids	395	332	391	451	559	522	404	404	404	404	150	150	336	359	385
<b>29 Priest Rapids Before Enc</b>	<b>395</b>	<b>332</b>	<b>391</b>	<b>451</b>	<b>559</b>	<b>522</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>150</b>	<b>150</b>	<b>336</b>	<b>359</b>	<b>385</b>
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT Share	11	9.5	11	13	16	15	12	12	12	12	4	4	9.6	10	11
<b>54 Priest Rapids After Enc</b>	<b>378</b>	<b>315</b>	<b>376</b>	<b>435</b>	<b>543</b>	<b>506</b>	<b>389</b>	<b>389</b>	<b>389</b>	<b>389</b>	<b>134</b>	<b>134</b>	<b>320</b>	<b>342</b>	<b>369</b>

Table A-20: Wanapum and Priest Rapids Allocation  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT 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  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT 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  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Wanapum-</i>															
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
<i>-Wanapum-</i>															
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 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	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 UnknMKT 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
<i>-Priest Rapids-</i>															
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
<i>-Priest Rapids-</i>															
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 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	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
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 UnknMKT 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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-21  
Swift #1 and Swift #2 Allocation  
Monthly OY 2008 – 2017  
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  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 [43] 2007 White Book (Final)

3/31/2007

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  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-22  
BPA Power Sale Contracts  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	123	123	112	120	138	150	153	147	135	120	120	116	118	128	130
<b>2 Total Federal Entities</b>	<b>123</b>	<b>123</b>	<b>112</b>	<b>120</b>	<b>138</b>	<b>150</b>	<b>153</b>	<b>147</b>	<b>135</b>	<b>120</b>	<b>120</b>	<b>116</b>	<b>118</b>	<b>128</b>	<b>130</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2043	2044	2171	2128	2599	2852	2874	2805	2650	2232	2226	2005	1910	2048	2360
<b>8 Total Generating Public Entities</b>	<b>2043</b>	<b>2044</b>	<b>2171</b>	<b>2128</b>	<b>2599</b>	<b>2852</b>	<b>2874</b>	<b>2805</b>	<b>2650</b>	<b>2232</b>	<b>2226</b>	<b>2005</b>	<b>1910</b>	<b>2048</b>	<b>2360</b>
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1208	1031	943	984	1122	1092	861	904	951	907	816	963	1280	1140	1018
<b>10 Total Generating Public Entities (Slice)</b>	<b>1208</b>	<b>1031</b>	<b>943</b>	<b>984</b>	<b>1122</b>	<b>1092</b>	<b>861</b>	<b>904</b>	<b>951</b>	<b>907</b>	<b>816</b>	<b>963</b>	<b>1280</b>	<b>1140</b>	<b>1018</b>
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3004	3004	2725	2823	3201	3555	3605	3454	3112	2931	2924	2895	3011	3151	3122
<b>12 Total Non-Generating Public Entities</b>	<b>3004</b>	<b>3004</b>	<b>2725</b>	<b>2823</b>	<b>3201</b>	<b>3555</b>	<b>3605</b>	<b>3454</b>	<b>3112</b>	<b>2931</b>	<b>2924</b>	<b>2895</b>	<b>3011</b>	<b>3151</b>	<b>3122</b>
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	726	619	566	591	674	656	517	543	571	544	490	578	768	685	612
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>726</b>	<b>619</b>	<b>566</b>	<b>591</b>	<b>674</b>	<b>656</b>	<b>517</b>	<b>543</b>	<b>571</b>	<b>544</b>	<b>490</b>	<b>578</b>	<b>768</b>	<b>685</b>	<b>612</b>
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Power Sales Contracts-</i>															
19 Federal Entities	123	123	112	120	138	150	153	147	135	120	120	116	118	128	130
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	3252	3076	3114	3112	3721	3944	3735	3709	3601	3139	3042	2968	3189	3189	3378
23 Non-Generating Public Entities	3730	3623	3291	3414	3875	4210	4122	3997	3683	3476	3414	3473	3779	3836	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
<b>26 Total Power Sales Contracts</b>	<b>7357</b>	<b>7081</b>	<b>6736</b>	<b>6740</b>	<b>7749</b>	<b>8336</b>	<b>8081</b>	<b>7932</b>	<b>7469</b>	<b>6940</b>	<b>6818</b>	<b>6847</b>	<b>7373</b>	<b>7462</b>	<b>7402</b>

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	129	129	117	131	151	163	166	160	146	130	130	126	128	138	140
2 Total Federal Entities	129	129	117	131	151	163	166	160	146	130	130	126	128	138	140
<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	2093	2093	2235	2130	2604	2859	2882	2849	2662	2235	2229	2005	1910	2050	2376
8 Total Generating Public Entities	2093	2093	2235	2130	2604	2859	2882	2849	2662	2235	2229	2005	1910	2050	2376
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1223	1044	946	988	1127	1097	865	910	955	921	831	905	1168	1143	1010
10 Total Generating Public Entities (Slice)	1223	1044	946	988	1127	1097	865	910	955	921	831	905	1168	1143	1010
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3085	3089	2800	2897	3287	3648	3698	3578	3191	3002	2994	2967	3083	3228	3205
12 Total Non-Generating Public Entities	3085	3089	2800	2897	3287	3648	3698	3578	3191	3002	2994	2967	3083	3228	3205
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	734	627	568	593	677	659	520	546	573	553	499	543	701	687	606
14 Total Non-Generating Public Entities (Slice)	734	627	568	593	677	659	520	546	573	553	499	543	701	687	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	129	129	117	131	151	163	166	160	146	130	130	126	128	138	140
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	3316	3137	3180	3118	3732	3956	3747	3759	3617	3156	3060	2910	3078	3193	3385
23 Non-Generating Public Entities	3819	3716	3368	3490	3964	4307	4218	4124	3764	3555	3493	3510	3784	3915	3811
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	7516	7242	6884	6833	7860	8458	8201	8122	7577	7047	6926	6836	7277	7556	7497

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	132	152	165	168	161	148	132	131	127	129	140	143
2 Total Federal Entities	140	140	127	132	152	165	168	161	148	132	131	127	129	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	2094	2094	2236	2143	2622	2879	2902	2869	2678	2251	2244	2018	1923	2063	2390
8 Total Generating Public Entities	2094	2094	2236	2143	2622	2879	2902	2869	2678	2251	2244	2018	1923	2063	2390
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1240	1060	935	983	1122	1092	860	905	950	915	825	972	1305	1175	1027
10 Total Generating Public Entities (Slice)	1240	1060	935	983	1122	1092	860	905	950	915	825	972	1305	1175	1027
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3159	3163	2869	2949	3348	3715	3766	3643	3249	3056	3048	3018	3137	3285	3266
12 Total Non-Generating Public Entities	3159	3163	2869	2949	3348	3715	3766	3643	3249	3056	3048	3018	3137	3285	3266
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	745	637	561	590	674	656	516	543	570	549	496	584	783	705	616
14 Total Non-Generating Public Entities (Slice)	745	637	561	590	674	656	516	543	570	549	496	584	783	705	616
<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	132	152	165	168	161	148	132	131	127	129	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	3334	3155	3171	3126	3744	3971	3762	3774	3628	3166	3069	2990	3228	3238	3416
23 Non-Generating Public Entities	3904	3800	3431	3539	4022	4371	4283	4186	3820	3605	3544	3602	3920	3990	3882
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	7630	7354	6947	6891	7932	8538	8282	8201	7646	7108	6987	7009	7563	7678	7602

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	128	133	153	166	169	163	149	133	132	128	130	141	144
2 Total Federal Entities	141	141	128	133	153	166	169	163	149	133	132	128	130	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	2107	2113	2250	2147	2630	2889	2912	2880	2685	2257	2251	2022	1926	2067	2398
8 Total Generating Public Entities	2107	2113	2250	2147	2630	2889	2912	2880	2685	2257	2251	2022	1926	2067	2398
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1255	1074	949	991	1131	1101	868	913	958	922	832	897	1171	1156	1015
10 Total Generating Public Entities (Slice)	1255	1074	949	991	1131	1101	868	913	958	922	832	897	1171	1156	1015
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3220	3214	2920	2992	3397	3771	3821	3696	3297	3099	3092	3061	3181	3333	3315
12 Total Non-Generating Public Entities	3220	3214	2920	2992	3397	3771	3821	3696	3297	3099	3092	3061	3181	3333	3315
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	754	645	570	595	679	661	521	548	575	554	500	539	703	694	609
14 Total Non-Generating Public Entities (Slice)	754	645	570	595	679	661	521	548	575	554	500	539	703	694	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	141	141	128	133	153	166	169	163	149	133	132	128	130	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	3362	3187	3198	3138	3761	3990	3780	3793	3643	3179	3083	2919	3097	3223	3412
23 Non-Generating Public Entities	3973	3859	3490	3587	4076	4431	4343	4244	3872	3653	3592	3600	3884	4027	3924
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	7729	7446	7035	6952	8005	8619	8362	8279	7714	7171	7050	6937	7397	7701	7642

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	142	142	129	134	155	168	171	163	150	134	133	129	131	142	146
2 Total Federal Entities	142	142	129	134	155	168	171	163	150	134	133	129	131	142	146
<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	2111	2111	2254	2100	2575	2819	2858	2791	2612	2205	2198	1976	2127	2033	2371
8 Total Generating Public Entities	2111	2111	2254	2100	2575	2819	2858	2791	2612	2205	2198	1976	2127	2033	2371
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1259	1078	952	991	1132	1102	868	914	958	923	833	979	1314	1184	1037
10 Total Generating Public Entities (Slice)	1259	1078	952	991	1132	1102	868	914	958	923	833	979	1314	1184	1037
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3255	3254	2957	3041	3453	3832	3883	3717	3351	3150	3142	3108	3230	3385	3363
12 Total Non-Generating Public Entities	3255	3254	2957	3041	3453	3832	3883	3717	3351	3150	3142	3108	3230	3385	3363
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	756	648	571	595	680	662	521	549	575	554	500	588	789	711	622
14 Total Non-Generating Public Entities (Slice)	756	648	571	595	680	662	521	549	575	554	500	588	789	711	622
<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	142	142	129	134	155	168	171	163	150	134	133	129	131	142	146
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	3370	3189	3206	3091	3707	3920	3727	3704	3570	3128	3031	2955	3440	3217	3408
23 Non-Generating Public Entities	4011	3902	3529	3636	4133	4493	4404	4266	3926	3704	3643	3696	4019	4096	3986
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	7776	7493	7082	6956	8009	8613	8372	8212	7697	7171	7049	7070	7876	7765	7700



Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	155	168	172	166	151	135	135	130	132	144	147
2 Total Federal Entities	144	144	130	135	155	168	172	166	151	135	135	130	132	144	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	2075	2075	2227	2106	2586	2831	2876	2872	2622	2216	2209	1983	2133	2042	2380
8 Total Generating Public Entities	2075	2075	2227	2106	2586	2831	2876	2872	2622	2216	2209	1983	2133	2042	2380
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1261	1080	952	995	1136	1105	871	917	962	926	836	886	1176	1174	1019
10 Total Generating Public Entities (Slice)	1261	1080	952	995	1136	1105	871	917	962	926	836	886	1176	1174	1019
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3310	3309	3009	3059	3475	3855	3936	3809	3396	3193	3184	3149	3275	3426	3407
12 Total Non-Generating Public Entities	3310	3309	3009	3059	3475	3855	3936	3809	3396	3193	3184	3149	3275	3426	3407
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	757	648	572	597	682	664	523	551	577	556	502	532	706	705	612
14 Total Non-Generating Public Entities (Slice)	757	648	572	597	682	664	523	551	577	556	502	532	706	705	612
<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	155	168	172	166	151	135	135	130	132	144	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	3336	3154	3179	3100	3722	3937	3748	3789	3583	3142	3045	2869	3309	3216	3399
23 Non-Generating Public Entities	4067	3958	3581	3656	4157	4519	4459	4360	3974	3748	3686	3681	3981	4131	4019
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	7799	7515	7109	6986	8048	8655	8449	8393	7759	7230	7108	6970	7708	7800	7725

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	145	145	131	136	157	169	173	167	153	136	136	131	133	145	148
<b>2 Total Federal Entities</b>	<b>145</b>	<b>145</b>	<b>131</b>	<b>136</b>	<b>157</b>	<b>169</b>	<b>173</b>	<b>167</b>	<b>153</b>	<b>136</b>	<b>136</b>	<b>131</b>	<b>133</b>	<b>145</b>	<b>148</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2082	2082	2235	2137	2623	2871	2915	2906	2656	2249	2242	2012	2162	2071	2410
<b>8 Total Generating Public Entities</b>	<b>2082</b>	<b>2082</b>	<b>2235</b>	<b>2137</b>	<b>2623</b>	<b>2871</b>	<b>2915</b>	<b>2906</b>	<b>2656</b>	<b>2249</b>	<b>2242</b>	<b>2012</b>	<b>2162</b>	<b>2071</b>	<b>2410</b>
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1265	1083	955	996	1137	1107	873	918	963	927	837	983	1319	1189	1041
<b>10 Total Generating Public Entities (Slice)</b>	<b>1265</b>	<b>1083</b>	<b>955</b>	<b>996</b>	<b>1137</b>	<b>1107</b>	<b>873</b>	<b>918</b>	<b>963</b>	<b>927</b>	<b>837</b>	<b>983</b>	<b>1319</b>	<b>1189</b>	<b>1041</b>
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3353	3352	3049	3103	3525	3911	3992	3863	3445	3238	3229	3192	3319	3471	3455
<b>12 Total Non-Generating Public Entities</b>	<b>3353</b>	<b>3352</b>	<b>3049</b>	<b>3103</b>	<b>3525</b>	<b>3911</b>	<b>3992</b>	<b>3863</b>	<b>3445</b>	<b>3238</b>	<b>3229</b>	<b>3192</b>	<b>3319</b>	<b>3471</b>	<b>3455</b>
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	760	650	573	598	683	665	524	551	578	557	503	590	792	714	625
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>760</b>	<b>650</b>	<b>573</b>	<b>598</b>	<b>683</b>	<b>665</b>	<b>524</b>	<b>551</b>	<b>578</b>	<b>557</b>	<b>503</b>	<b>590</b>	<b>792</b>	<b>714</b>	<b>625</b>
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Power Sales Contracts-</i>															
19 Federal Entities	145	145	131	136	157	169	173	167	153	136	136	131	133	145	148
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	3348	3165	3190	3133	3760	3977	3788	3824	3619	3176	3079	2995	3481	3260	3451
23 Non-Generating Public Entities	4112	4002	3622	3700	4207	4575	4516	4415	4023	3794	3732	3783	4111	4185	4080
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
<b>26 Total Power Sales Contracts</b>	<b>7857</b>	<b>7572</b>	<b>7162</b>	<b>7064</b>	<b>8139</b>	<b>8753</b>	<b>8547</b>	<b>8484</b>	<b>7845</b>	<b>7312</b>	<b>7189</b>	<b>7199</b>	<b>8011</b>	<b>7901</b>	<b>7839</b>

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	147	147	132	137	158	171	175	168	154	137	137	132	134	147	149
2 Total Federal Entities	147	147	132	137	158	171	175	168	154	137	137	132	134	147	149
<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	2112	2112	2267	2169	2657	2912	2956	2951	2691	2282	2276	2040	2193	2103	2444
8 Total Generating Public Entities	2112	2112	2267	2169	2657	2912	2956	2951	2691	2282	2276	2040	2193	2103	2444
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1267	1085	956	997	1139	1108	874	919	964	928	838	911	1179	1154	1022
10 Total Generating Public Entities (Slice)	1267	1085	956	997	1139	1108	874	919	964	928	838	911	1179	1154	1022
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3398	3402	3091	3146	3575	3967	4048	3919	3494	3282	3275	3238	3361	3518	3503
12 Total Non-Generating Public Entities	3398	3402	3091	3146	3575	3967	4048	3919	3494	3282	3275	3238	3361	3518	3503
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	761	651	574	599	684	665	525	552	579	557	504	547	708	693	614
14 Total Non-Generating Public Entities (Slice)	761	651	574	599	684	665	525	552	579	557	504	547	708	693	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	147	147	132	137	158	171	175	168	154	137	137	132	134	147	149
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	3378	3197	3223	3166	3796	4020	3830	3870	3655	3211	3114	2952	3372	3257	3466
23 Non-Generating Public Entities	4159	4054	3665	3745	4259	4632	4573	4471	4073	3840	3778	3785	4068	4211	4117
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	7936	7657	7240	7143	8227	8854	8648	8588	7932	7393	7271	7159	7860	7924	7892

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	148	148	133	139	160	172	176	168	155	138	138	133	135	149	151
<b>2 Total Federal Entities</b>	<b>148</b>	<b>148</b>	<b>133</b>	<b>139</b>	<b>160</b>	<b>172</b>	<b>176</b>	<b>168</b>	<b>155</b>	<b>138</b>	<b>138</b>	<b>133</b>	<b>135</b>	<b>149</b>	<b>151</b>
<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
<b>4 Total U.S. Bureau of Reclamation</b>	<b>252</b>	<b>259</b>	<b>219</b>	<b>94</b>	<b>14</b>	<b>31</b>	<b>70</b>	<b>79</b>	<b>50</b>	<b>206</b>	<b>242</b>	<b>290</b>	<b>287</b>	<b>310</b>	<b>160</b>
<i>-Direct Service Industry-</i>															
5 Direct Service Industry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>6 Total Direct Service Industry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Generating Public Entities-</i>															
7 Generating Public Entities	2143	2144	2299	2202	2696	2954	2998	2925	2730	2319	2312	2073	2226	2135	2475
<b>8 Total Generating Public Entities</b>	<b>2143</b>	<b>2144</b>	<b>2299</b>	<b>2202</b>	<b>2696</b>	<b>2954</b>	<b>2998</b>	<b>2925</b>	<b>2730</b>	<b>2319</b>	<b>2312</b>	<b>2073</b>	<b>2226</b>	<b>2135</b>	<b>2475</b>
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1268	1086	958	999	1140	1110	875	921	966	930	840	986	1322	1192	1044
<b>10 Total Generating Public Entities (Slice)</b>	<b>1268</b>	<b>1086</b>	<b>958</b>	<b>999</b>	<b>1140</b>	<b>1110</b>	<b>875</b>	<b>921</b>	<b>966</b>	<b>930</b>	<b>840</b>	<b>986</b>	<b>1322</b>	<b>1192</b>	<b>1044</b>
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3444	3448	3134	3192	3629	4026	4107	3928	3546	3330	3322	3284	3407	3569	3549
<b>12 Total Non-Generating Public Entities</b>	<b>3444</b>	<b>3448</b>	<b>3134</b>	<b>3192</b>	<b>3629</b>	<b>4026</b>	<b>4107</b>	<b>3928</b>	<b>3546</b>	<b>3330</b>	<b>3322</b>	<b>3284</b>	<b>3407</b>	<b>3569</b>	<b>3549</b>
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	761	652	575	600	685	666	526	553	580	558	504	592	794	716	627
<b>14 Total Non-Generating Public Entities (Slice)</b>	<b>761</b>	<b>652</b>	<b>575</b>	<b>600</b>	<b>685</b>	<b>666</b>	<b>526</b>	<b>553</b>	<b>580</b>	<b>558</b>	<b>504</b>	<b>592</b>	<b>794</b>	<b>716</b>	<b>627</b>
<i>-Investor-Owned Entities-</i>															
15 Investor-Owned Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>16 Total Investor-Owned Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Other Entities-</i>															
17 Other PNW Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>18 Total Other Entities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>-Power Sales Contracts-</i>															
19 Federal Entities	148	148	133	139	160	172	176	168	155	138	138	133	135	149	151
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	3411	3230	3256	3201	3836	4064	3874	3846	3695	3248	3152	3059	3548	3327	3519
23 Non-Generating Public Entities	4205	4100	3709	3792	4313	4692	4633	4480	4126	3888	3826	3876	4201	4285	4176
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
<b>26 Total Power Sales Contracts</b>	<b>8017</b>	<b>7737</b>	<b>7318</b>	<b>7227</b>	<b>8324</b>	<b>8959</b>	<b>8753</b>	<b>8573</b>	<b>8026</b>	<b>7481</b>	<b>7358</b>	<b>7358</b>	<b>8170</b>	<b>8071</b>	<b>8006</b>

Table A-22: BPA Power Sale Contracts  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 Federal Entities	150	150	134	141	162	173	178	171	156	139	139	134	136	151	152
2 Total Federal Entities	150	150	134	141	162	173	178	171	156	139	139	134	136	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	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	2179	2179	2333	2232	2734	2994	3039	3034	2764	2351	2344	2104	2256	2166	2515
8 Total Generating Public Entities	2179	2179	2333	2232	2734	2994	3039	3034	2764	2351	2344	2104	2256	2166	2515
<i>-Generating Public Entities (Slice)-</i>															
9 Generating Public Entities (Slice)	1270	1088	959	1000	1142	1111	877	923	967	931	842	901	1182	1171	1025
10 Total Generating Public Entities (Slice)	1270	1088	959	1000	1142	1111	877	923	967	931	842	901	1182	1171	1025
<i>-Non-Generating Public Entities-</i>															
11 Non-Generating Public Entities	3492	3491	3178	3233	3675	4077	4146	4013	3579	3361	3353	3313	3439	3603	3592
12 Total Non-Generating Public Entities	3492	3491	3178	3233	3675	4077	4146	4013	3579	3361	3353	3313	3439	3603	3592
<i>-Non-Generating Public Entities (Slice)-</i>															
13 Non-Generating Public Entities (Slice)	763	653	576	601	686	667	527	554	581	559	505	541	710	703	615
14 Total Non-Generating Public Entities (Slice)	763	653	576	601	686	667	527	554	581	559	505	541	710	703	615
<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	150	150	134	141	162	173	178	171	156	139	139	134	136	151	152
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	3448	3266	3292	3233	3876	4105	3916	3956	3731	3282	3185	3005	3438	3337	3540
23 Non-Generating Public Entities	4254	4144	3754	3834	4361	4745	4673	4567	4159	3921	3859	3855	4149	4306	4208
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	8105	7820	7400	7302	8413	9054	8837	8773	8097	7548	7425	7283	8010	8104	8060

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-23  
Non-Utility Generating Resources by Owner  
Monthly OY 2008 – 2017  
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 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	71	69	53	62	79	80	76	70	97	100	100	95	81	68	77
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
<b>3 Total Federal Entities</b>	<b>71</b>	<b>69</b>	<b>54</b>	<b>62</b>	<b>80</b>	<b>80</b>	<b>77</b>	<b>70</b>	<b>97</b>	<b>100</b>	<b>100</b>	<b>95</b>	<b>81</b>	<b>68</b>	<b>78</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	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
6 Cowlitz County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	4.3	32	51	37	37	38	37	28	22
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.6	4.7	5.1	4.2	2.8	2.4	2.4	2.4	2.3	1.7	3
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.2	7.8	5.7	5.7	6.3	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.4	5.8	4.9	5.0	5.0	4.7	3.5	3.7
11 M-S-R	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
12 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	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>286</b>	<b>284</b>	<b>237</b>	<b>189</b>	<b>158</b>	<b>148</b>	<b>180</b>	<b>156</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>255</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	0.6	0.6	0.5	0.8	1.4	1.4	1.6	1.3	2.6	2.2	2.2	2.2	2.1	1.6	1.5
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	0.4	0.4	0.4	0.5	0.9	1.0	1.1	0.9	2.9	2.5	2.5	2.5	2.4	1.7	1.4
23 Klickitat County PUD #1	0	0	0	0	0	0	17	13	21	15	15	15	15	12	9
24 Lakeview L & P (WA)	0	0	0	0	0	0	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	3.1
25 Lewis County PUD #1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.4	1.8	1.5	1.5	1.5	1.4	1	0.8
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	0.4	0.4	0.4	0.5	0.9	1.0	1	0.9	0.9	0.7	0.7	0.7	0.7	0.5	0.7
28 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
29 Tanner Elec Coop	0	0	0	0	0	0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	0.7
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>2.3</b>	<b>2.3</b>	<b>2.2</b>	<b>3.0</b>	<b>4.7</b>	<b>5.1</b>	<b>30</b>	<b>23</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>18</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	159	159	143	123	107	85	85	89	108	140	140	171	183	182	131
34 Northwestern Energy LLC (MPC)	28	29	27	22	21	23	23	22	20	16	16	33	28	27	24
35 Pacific Power	67	67	66	65	67	78	72	82	84	83	84	94	79	77	76
36 Portland General Electric	49	49	45	43	49	50	47	50	64	61	61	65	57	56	53
37 Puget Sound Energy	428	427	422	425	436	438	434	431	435	446	445	284	461	451	424
38 Utah Power	22	22	26	29	30	30	29	27	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>952</b>	<b>952</b>	<b>939</b>	<b>920</b>	<b>930</b>	<b>933</b>	<b>915</b>	<b>919</b>	<b>972</b>	<b>903</b>	<b>904</b>	<b>889</b>	<b>1058</b>	<b>1035</b>	<b>947</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	71	69	54	62	80	80	77	70	97	100	100	95	81	68	78
45 Public Entities	288	287	239	192	163	153	210	179	284	306	314	415	431	411	273
46 Investor-Owned Entities	952	952	939	920	930	933	915	919	972	903	904	889	1058	1035	947
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1322</b>	<b>1319</b>	<b>1243</b>	<b>1185</b>	<b>1183</b>	<b>1177</b>	<b>1212</b>	<b>1179</b>	<b>1364</b>	<b>1320</b>	<b>1329</b>	<b>1410</b>	<b>1581</b>	<b>1526</b>	<b>1309</b>



Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	71	69	53	62	79	80	76	70	97	100	100	95	81	68	78
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
<b>3 Total Federal Entities</b>	<b>71</b>	<b>70</b>	<b>54</b>	<b>62</b>	<b>80</b>	<b>80</b>	<b>77</b>	<b>71</b>	<b>97</b>	<b>100</b>	<b>100</b>	<b>95</b>	<b>81</b>	<b>68</b>	<b>78</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	28	29	27	22	21	23	24	23	20	16	16	33	28	27	24
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	432	433	427	430	441	438	435	431	435	446	446	284	461	451	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>977</b>	<b>979</b>	<b>965</b>	<b>933</b>	<b>943</b>	<b>934</b>	<b>916</b>	<b>921</b>	<b>972</b>	<b>903</b>	<b>905</b>	<b>889</b>	<b>1058</b>	<b>1035</b>	<b>954</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	71	70	54	62	80	80	77	71	97	100	100	95	81	68	78
45 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	977	979	965	933	943	934	916	921	972	903	905	889	1058	1035	954
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1397</b>	<b>1398</b>	<b>1319</b>	<b>1259</b>	<b>1281</b>	<b>1242</b>	<b>1230</b>	<b>1197</b>	<b>1364</b>	<b>1321</b>	<b>1330</b>	<b>1410</b>	<b>1582</b>	<b>1526</b>	<b>1344</b>

Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	71	69	53	101	105	103	100	97	124	108	108	106	106	102	98
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
<b>3 Total Federal Entities</b>	<b>71</b>	<b>70</b>	<b>54</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>98</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	29	27	22	21	23	24	23	20	16	16	33	36	27	25
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	432	432	425	429	442	438	435	431	436	447	446	284	461	452	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>977</b>	<b>978</b>	<b>963</b>	<b>932</b>	<b>943</b>	<b>934</b>	<b>916</b>	<b>921</b>	<b>973</b>	<b>904</b>	<b>905</b>	<b>889</b>	<b>1066</b>	<b>1037</b>	<b>955</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	71	70	54	101	106	103	100	97	125	108	108	106	107	102	98
45 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	977	978	963	932	943	934	916	921	973	904	905	889	1066	1037	955
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1397</b>	<b>1397</b>	<b>1317</b>	<b>1298</b>	<b>1308</b>	<b>1264</b>	<b>1254</b>	<b>1224</b>	<b>1393</b>	<b>1329</b>	<b>1338</b>	<b>1422</b>	<b>1615</b>	<b>1561</b>	<b>1366</b>

Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>96</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>317</b>	<b>314</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<i>-Non-Generating Public Entities-</i>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<i>-Investor-Owned Entities-</i>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	29	28	22	28	30	31	30	28	23	22	33	28	27	28
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	432	432	425	429	441	436	434	431	436	447	446	285	461	452	426
38 Utah Power	22	23	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>978</b>	<b>978</b>	<b>963</b>	<b>933</b>	<b>950</b>	<b>940</b>	<b>922</b>	<b>929</b>	<b>980</b>	<b>911</b>	<b>912</b>	<b>890</b>	<b>1059</b>	<b>1037</b>	<b>958</b>
<i>-Other Entities-</i>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<i>-Total Non-Utility Generating Resources-</i>															
44 Federal Entities	97	96	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	978	978	963	933	950	940	922	929	980	911	912	890	1059	1037	958
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1426</b>	<b>1423</b>	<b>1361</b>	<b>1298</b>	<b>1315</b>	<b>1270</b>	<b>1260</b>	<b>1232</b>	<b>1400</b>	<b>1336</b>	<b>1345</b>	<b>1422</b>	<b>1608</b>	<b>1561</b>	<b>1374</b>

**Table A-23: Regional NUG Resources By Owner  
PNW Loads and Resource Study  
2011 - 2012 Operating Year  
[43] 2007 White Book (Final)**

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.3	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.1	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.1	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.4	5.8	4.9	5.0	5.0	4.7	3.5	6.2
11 M-S-R	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.7	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>161</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.8	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.2	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.5	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>31</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	29	28	23	28	30	31	31	28	23	23	34	29	27	28
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	50	64	61	61	65	57	56	53
37 Puget Sound Energy	432	432	426	430	441	436	434	431	434	446	447	284	461	452	426
38 Utah Power	22	22	26	29	30	30	29	27	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>978</b>	<b>978</b>	<b>965</b>	<b>933</b>	<b>950</b>	<b>940</b>	<b>923</b>	<b>927</b>	<b>979</b>	<b>910</b>	<b>912</b>	<b>890</b>	<b>1059</b>	<b>1037</b>	<b>958</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	339	337	289	253	248	216	227	192	284	306	314	415	431	411	301
46 Investor-Owned Entities	978	978	965	933	950	940	923	927	979	910	912	890	1059	1037	958
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1425</b>	<b>1424</b>	<b>1362</b>	<b>1298</b>	<b>1315</b>	<b>1270</b>	<b>1261</b>	<b>1227</b>	<b>1399</b>	<b>1336</b>	<b>1345</b>	<b>1422</b>	<b>1608</b>	<b>1561</b>	<b>1374</b>

Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<i>-Non-Generating Public Entities-</i>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<i>-Investor-Owned Entities-</i>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	30	28	23	29	31	32	31	28	23	23	34	37	27	29
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	433	433	426	430	441	438	434	431	434	446	446	283	460	453	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>979</b>	<b>979</b>	<b>965</b>	<b>933</b>	<b>951</b>	<b>942</b>	<b>923</b>	<b>929</b>	<b>979</b>	<b>911</b>	<b>912</b>	<b>889</b>	<b>1066</b>	<b>1038</b>	<b>959</b>
<i>-Other Entities-</i>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<i>-Total Non-Utility Generating Resources-</i>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	979	979	965	933	951	942	923	929	979	911	912	889	1066	1038	959
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1426</b>	<b>1425</b>	<b>1363</b>	<b>1299</b>	<b>1315</b>	<b>1272</b>	<b>1261</b>	<b>1232</b>	<b>1399</b>	<b>1336</b>	<b>1345</b>	<b>1421</b>	<b>1616</b>	<b>1562</b>	<b>1375</b>

Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	30	28	23	29	31	32	32	29	24	23	35	29	27	29
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	433	433	426	430	442	438	434	431	435	446	446	283	461	452	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>979</b>	<b>980</b>	<b>965</b>	<b>934</b>	<b>952</b>	<b>942</b>	<b>924</b>	<b>929</b>	<b>981</b>	<b>911</b>	<b>912</b>	<b>889</b>	<b>1060</b>	<b>1037</b>	<b>959</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	979	980	965	934	952	942	924	929	981	911	912	889	1060	1037	959
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1426</b>	<b>1425</b>	<b>1363</b>	<b>1300</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1232</b>	<b>1401</b>	<b>1336</b>	<b>1346</b>	<b>1422</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

Table A-23: Regional NUG Resources By Owner  
PNW Loads and Resource Study  
2014 - 2015 Operating Year  
[43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-Federal Entities-</i>															
1 BPA - Power Business	96	97	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<i>-Generating Public Entities-</i>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<i>-Non-Generating Public Entities-</i>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<i>-Investor-Owned Entities-</i>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	30	28	23	29	31	32	32	29	24	23	35	29	27	29
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	431	432	427	430	442	438	435	431	435	446	446	284	461	452	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>977</b>	<b>979</b>	<b>966</b>	<b>934</b>	<b>952</b>	<b>942</b>	<b>925</b>	<b>930</b>	<b>981</b>	<b>911</b>	<b>912</b>	<b>891</b>	<b>1060</b>	<b>1037</b>	<b>959</b>
<i>-Other Entities-</i>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<i>-Total Non-Utility Generating Resources-</i>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	977	979	966	934	952	942	925	930	981	911	912	891	1060	1037	959
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1423</b>	<b>1425</b>	<b>1363</b>	<b>1299</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1233</b>	<b>1401</b>	<b>1336</b>	<b>1346</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	96	97	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.3	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.1	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.1	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.4	5.8	4.9	5.0	5.0	4.7	3.5	6.2
11 M-S-R	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.7	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>161</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.8	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.2	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.5	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>31</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	30	28	23	29	31	32	32	29	24	23	35	29	27	29
35 Pacific Power	75	75	74	73	75	78	72	82	84	83	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	50	64	61	61	65	57	56	53
37 Puget Sound Energy	431	432	426	428	441	438	435	431	435	447	447	284	461	452	426
38 Utah Power	22	22	26	29	30	30	29	27	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>977</b>	<b>979</b>	<b>965</b>	<b>932</b>	<b>951</b>	<b>942</b>	<b>924</b>	<b>928</b>	<b>981</b>	<b>912</b>	<b>913</b>	<b>891</b>	<b>1060</b>	<b>1037</b>	<b>958</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	338	338	289	253	248	216	227	192	284	306	314	415	431	411	301
46 Investor-Owned Entities	977	979	965	932	951	942	924	928	981	912	913	891	1060	1037	958
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1423</b>	<b>1425</b>	<b>1363</b>	<b>1298</b>	<b>1315</b>	<b>1272</b>	<b>1262</b>	<b>1229</b>	<b>1401</b>	<b>1337</b>	<b>1346</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>



Table A-23: Regional NUG Resources By Owner  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<b>-Federal Entities-</b>															
1 BPA - Power Business	97	96	97	101	105	103	100	97	124	108	108	106	106	102	104
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
<b>3 Total Federal Entities</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>101</b>	<b>106</b>	<b>103</b>	<b>100</b>	<b>97</b>	<b>125</b>	<b>108</b>	<b>108</b>	<b>106</b>	<b>107</b>	<b>102</b>	<b>104</b>
<b>-Generating Public Entities-</b>															
4 Chelan County PUD #1	1.5	1.5	1.4	2.2	3.8	3.8	4.2	3.5	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
6 Cowlitz County PUD #1	29	29	28	33	45	31	43	32	51	37	37	38	37	28	36
7 Douglas County PUD #1	1.8	1.8	1.8	2.7	4.7	4.7	5.2	4.3	2.8	2.4	2.4	2.4	2.3	1.7	3.1
8 Eugene Water & Electric Board	15	15	15	16	8.5	8.4	7.9	6.8	12	9.3	17	17	16	15	13
9 Grant County PUD #2	14	14	9.3	7.8	5.7	5.8	6.4	5.2	4.7	14	14	17	17	16	10
10 Grays Harbor PUD #1	3.8	3.8	3.6	5.5	9.5	9.6	11	8.7	5.8	4.9	5.0	5.0	4.7	3.5	6.3
11 M-S-R	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
12 Okanogan County PUD #1	3.0	3.0	2.9	4.3	7.6	7.6	8.4	6.9	4.6	3.9	3.9	3.9	3.8	2.7	5.0
13 Seattle City Light	118	116	87	54	35	31	26	22	64	87	87	157	172	171	85
14 Snohomish County PUD #1	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
15 Tacoma Public Utilities	53	53	33	15	0	0	0	0	4.2	35	35	49	55	59	25
<b>16 Total Generating Public Entities</b>	<b>316</b>	<b>315</b>	<b>267</b>	<b>225</b>	<b>208</b>	<b>184</b>	<b>186</b>	<b>163</b>	<b>245</b>	<b>276</b>	<b>284</b>	<b>386</b>	<b>402</b>	<b>389</b>	<b>271</b>
<b>-Non-Generating Public Entities-</b>															
17 Ashland, City of	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Benton County PUD #1	1.7	1.7	1.6	2.5	4.3	4.3	4.8	3.9	2.6	2.2	2.2	2.2	2.1	1.6	2.8
19 Clallam County PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Energy Northwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 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
22 Franklin County PUD #1	1.9	1.9	1.8	2.7	4.8	4.8	5.3	4.4	2.9	2.5	2.5	2.5	2.4	1.7	3.1
23 Klickitat County PUD #1	12	12	11	13	18	12	17	13	21	15	15	15	15	12	15
24 Lakeview L & P (WA)	4	4	4.0	4.7	6.2	4.3	6.0	4.5	7.2	5.2	5.2	5.3	5.3	4.0	5.1
25 Lewis County PUD #1	1.1	1.1	1.1	1.7	2.9	2.9	3.2	2.6	1.8	1.5	1.5	1.5	1.4	1	1.9
26 Mason County PUD #1	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
27 Mason County PUD #3	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
28 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
29 Tanner Elec Coop	0.9	0.9	0.9	1	1.4	1.0	1.3	1	1.6	1.2	1.2	1.2	1.2	0.9	1.1
30 Tillamook PUD #1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>31 Total Non-Generating Public Entities</b>	<b>23</b>	<b>23</b>	<b>22</b>	<b>28</b>	<b>40</b>	<b>33</b>	<b>41</b>	<b>32</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>29</b>	<b>22</b>	<b>31</b>
<b>-Investor-Owned Entities-</b>															
32 Avista Corp (WWP Division)	199	199	210	213	219	231	225	217	222	130	130	210	216	216	209
33 Idaho Power Company	172	172	156	123	107	85	85	89	108	140	140	171	183	182	133
34 Northwestern Energy LLC (MPC)	29	30	28	23	29	31	32	32	29	24	23	35	29	27	29
35 Pacific Power	75	75	74	73	75	78	72	82	84	82	84	94	79	77	79
36 Portland General Electric	49	49	45	43	49	50	47	51	64	61	61	65	57	56	53
37 Puget Sound Energy	432	432	426	428	441	437	435	431	435	447	447	284	461	452	426
38 Utah Power	22	22	26	29	30	30	29	28	38	28	28	31	34	27	29
<b>39 Total Investor-owned Entities</b>	<b>979</b>	<b>979</b>	<b>965</b>	<b>932</b>	<b>951</b>	<b>942</b>	<b>924</b>	<b>930</b>	<b>981</b>	<b>912</b>	<b>913</b>	<b>891</b>	<b>1060</b>	<b>1037</b>	<b>959</b>
<b>-Other Entities-</b>															
40 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
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
<b>43 Total Other Entities</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>
<b>-Total Non-Utility Generating Resources-</b>															
44 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
45 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
46 Investor-Owned Entities	979	979	965	932	951	942	924	930	981	912	913	891	1060	1037	959
47 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>48 Total Non-Utility Generation</b>	<b>1425</b>	<b>1425</b>	<b>1363</b>	<b>1298</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1233</b>	<b>1401</b>	<b>1337</b>	<b>1347</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-24  
Non-Utility Generating Resources by Project  
and Project Type  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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	0.2	0.2	0.2	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 & Bouchar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Elwah Hydro	8.2	7.7	2.3	3.6	9.5	11	12	8.8	8.8	17	17	9.0	8.5	5.4	8.6
41 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
43 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
51 Glines Hydro	16	15	4.1	6.7	14	16	15	13	14	25	25	30	16	11	15
52 Hailey C spp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
53 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
54 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
55 Horseshoe Bend	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
56 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
57 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
58 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
59 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
60 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
61 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
63 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
65 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
66 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
68 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
69 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
70 Lee Tavenner	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
74 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
75 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
79 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
81 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
82 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
83 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
84 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
85 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
86 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
87 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
88 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
89 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
90 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
91 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
97 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
102 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
103 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
104 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
106 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Phillipsburg	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
108 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
110 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
113 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
114 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
115 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
124 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
125 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
126 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3

**Table A-24: Regional NUG Resources By Project And Project Type**  
**PNW Loads and Resource Study**  
**2007 - 2008 Operating Year**  
**[43] 2007 White Book (Final)**

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
134 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
136 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
137 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
138 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
140 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
141 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
144 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
145 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
147 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
148 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
149 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
150 Weeks Falls	0.8	0.8	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
151 White James	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
152 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1	
154 Wisconsin Creek	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
155 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>156 Total NUG: Hydro</b>	<b>338</b>	<b>335</b>	<b>242</b>	<b>168</b>	<b>140</b>	<b>135</b>	<b>124</b>	<b>126</b>	<b>158</b>	<b>305</b>	<b>313</b>	<b>436</b>	<b>454</b>	<b>425</b>	<b>254</b>
<b>-NUG: Small Thermal &amp; Misc.-</b>															
157 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158 Montana One	9.2	9.4	8.7	8.8	6.6	7.4	7.7	7.3	6.3	6.2	6.1	10	8.6	8.4	8.0
159 Pocatello Waste	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
161 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>162 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>24</b>
<b>-NUG: Combustion Turbines-</b>															
163 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
164 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
165 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>166 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<b>-NUG: Co-Generation-</b>															
167 Billings Generation	17	17	16	10	12	14	14	13	12	7.2	7	19	16	15	14
168 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
169 Boise Cascade Medford	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
170 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
171 Cogen Co	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
172 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
173 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
174 Evergreen Biopower Cogen	0	0	0	0	0	8	8	8	8	8	8	8	8	8	5.3
175 Haleywest L.L.C	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	4.1
176 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
177 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
178 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
179 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
180 Metro Westpoint	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
181 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
182 Pottlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
183 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
184 Sumas Compression Station	0	0	0	0	0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.3
185 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 Tamarack	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
187 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
190 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>191 Total NUG: Co-Generation</b>	<b>422</b>	<b>423</b>	<b>433</b>	<b>421</b>	<b>424</b>	<b>435</b>	<b>426</b>	<b>431</b>	<b>417</b>	<b>427</b>	<b>427</b>	<b>435</b>	<b>432</b>	<b>446</b>	<b>429</b>
<i>-NUG: Renewables-</i>															
192 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Big Horn	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
194 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
196 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
197 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
198 Emmett Biomass Project	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
199 Eurus Combine Hills	13	13	12	12	14	14	14	12	18	14	14	14	14	13	14
200 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
201 Foote Creek 2	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
202 Foote Creek 4	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
203 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.0	3.9	2.4	2.4	3	3.1	2.7	2.6
204 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
206 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Klondike 2	28	28	24	19	14	11	9.1	15	26	24	24	30	29	34	22
208 Klondike I	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
209 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Nine Canyon Wind Project	12	12	11	17	30	30	33	27	28	24	24	24	23	17	23
212 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
214 Raft River Geothermal Phase One	0	0	0	13	13	13	13	13	13	13	13	13	13	13	11
215 Stalene Wind Project	72	72	69	68	70	61	51	41	116	81	82	82	82	79	73
216 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
217 Vansycle Wind	7.9	7.9	7	7.6	8.4	8.7	8.5	7.5	11	8.6	8.6	8.9	8.8	8.3	8.4
218 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 White Creek	0	0	0	0	0	0	66	50	80	58	58	59	58	44	35
220 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Wolverine Creek	12	13	15	16	17	15	14	12	24	15	15	18	19	17	16
<b>222 Total NUG: Renewables</b>	<b>242</b>	<b>242</b>	<b>246</b>	<b>270</b>	<b>292</b>	<b>276</b>	<b>330</b>	<b>292</b>	<b>471</b>	<b>355</b>	<b>356</b>	<b>375</b>	<b>375</b>	<b>336</b>	<b>322</b>
<i>-Total Non-Utility Generating Resources-</i>															
223 Federal Entities	71	69	54	62	80	80	77	70	97	100	100	95	81	68	78
224 Public Entities	288	287	239	192	163	153	210	179	284	306	314	415	431	411	273
225 Investor-Owned Entities	952	952	939	920	930	933	915	919	972	903	904	889	1058	1035	947
226 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>227 Total Non-Utility Generation</b>	<b>1322</b>	<b>1319</b>	<b>1243</b>	<b>1185</b>	<b>1183</b>	<b>1177</b>	<b>1212</b>	<b>1179</b>	<b>1364</b>	<b>1320</b>	<b>1329</b>	<b>1410</b>	<b>1581</b>	<b>1526</b>	<b>1309</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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	0.2	0.2	0.2	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 & Bouchar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Elwah Hydro	8.2	7.7	2.3	3.6	9.5	11	12	9.1	8.8	17	17	9.0	8.5	5.4	8.6
41 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
43 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
51 Glines Hydro	16	15	4.1	6.7	14	16	15	14	14	25	25	30	16	11	15
52 Hailey Cssp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
53 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
54 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
55 Horseshoe Bend	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
56 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
57 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
58 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
59 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
60 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
61 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
63 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
65 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
66 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
68 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
69 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
70 Lee Tavenner	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
74 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
75 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
79 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
81 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
82 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
83 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
84 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
85 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
86 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
87 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
88 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
89 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
90 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
91 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
97 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
102 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
103 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
104 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
106 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Phillipsburg	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
108 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
110 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
113 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
114 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
115 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
124 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
125 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
126 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
134 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
136 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.3	0.3	0.3	0.6	0.5	0.5	0.3
137 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
138 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
140 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
141 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
144 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
145 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
147 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
148 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
149 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
150 Weeks Falls	0.8	0.8	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
151 White James	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
152 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1	
154 Wisconsin Creek	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0	0	0
155 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>156 Total NUG: Hydro</b>	<b>337</b>	<b>335</b>	<b>242</b>	<b>168</b>	<b>140</b>	<b>136</b>	<b>125</b>	<b>127</b>	<b>158</b>	<b>305</b>	<b>314</b>	<b>436</b>	<b>454</b>	<b>425</b>	<b>255</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
157 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158 Montana One	9.3	9.5	8.7	8.9	6.7	7.5	7.7	7.4	6.4	6.2	6.1	10	8.7	8.4	8
159 Pocatello Waste	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
161 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>162 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>24</b>
<i>-NUG: Combustion Turbines-</i>															
163 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
164 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
165 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>166 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
167 Billings Generation	17	17	16	10	12	14	14	14	12	7.2	7.1	19	16	15	14
168 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
169 Boise Cascade Medford	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
170 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
171 Cogen Co	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
172 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
173 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
174 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
175 Haleywest L.L.C	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	4.1
176 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
177 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
178 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
179 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
180 Metro Westpoint	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
181 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
182 Pottlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
183 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
184 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
185 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117

**Table A-24: Regional NUG Resources By Project And Project Type**  
**PNW Loads and Resource Study**  
**2008 - 2009 Operating Year**  
**[43] 2007 White Book (Final)**

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 Tamarack	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
187 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
190 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>191 Total NUG: Co-Generation</b>	<b>435</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>437</b>	<b>435</b>	<b>426</b>	<b>431</b>	<b>417</b>	<b>427</b>	<b>427</b>	<b>435</b>	<b>432</b>	<b>446</b>	<b>433</b>
<i>-NUG: Renewables-</i>															
192 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
194 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
196 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
197 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
198 Emmett Biomass Project	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
199 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
200 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
201 Foote Creek 2	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
202 Foote Creek 4	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
203 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
204 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
206 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
208 Klondike I	9	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
209 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
212 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
213 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
214 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
215 Stalene Wind Project	71	72	69	68	70	61	51	41	116	81	82	82	82	79	73
216 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
217 Vansycle Wind	7.8	8.0	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
218 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
219 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
220 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
221 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>222 Total NUG: Renewables</b>	<b>305</b>	<b>307</b>	<b>309</b>	<b>331</b>	<b>377</b>	<b>340</b>	<b>348</b>	<b>309</b>	<b>471</b>	<b>355</b>	<b>356</b>	<b>375</b>	<b>375</b>	<b>336</b>	<b>353</b>
<i>-Total Non-Utility Generating Resources-</i>															
223 Federal Entities	71	70	54	62	80	80	77	71	97	100	100	95	81	68	78
224 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
225 Investor-Owned Entities	977	979	965	933	943	934	916	921	972	903	905	889	1058	1035	954
226 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>227 Total Non-Utility Generation</b>	<b>1397</b>	<b>1398</b>	<b>1319</b>	<b>1259</b>	<b>1281</b>	<b>1242</b>	<b>1230</b>	<b>1197</b>	<b>1364</b>	<b>1321</b>	<b>1330</b>	<b>1410</b>	<b>1582</b>	<b>1526</b>	<b>1344</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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
11 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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	0.2	0.2	0.2	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 & Bouchar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	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	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Elwah Hydro	8.2	7.7	2.3	0	0	0	0	0	0	0	0	0	0	0	0.9
41 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
42 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
43 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
45 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
46 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
47 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
48 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
49 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
50 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
51 Glines Hydro	16	15	4.1	0	0	0	0	0	0	0	0	0	0	0	1.6
52 Hailey Cssp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
53 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
54 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
55 Horseshoe Bend	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
56 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
57 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
58 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
59 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
60 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
61 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
63 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
65 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7
66 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
68 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
69 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
70 Lee Tavenner	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
71 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
74 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
75 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
76 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
77 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
79 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
80 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
81 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
82 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
83 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
84 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
85 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
86 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
87 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
88 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
89 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
90 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
91 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
92 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
97 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
98 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
99 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
102 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
103 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
104 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
106 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Phillipsburg	0	0	0	0	0	0	0.1	0	0	0	0	0	0	0	0
108 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
110 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
111 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
113 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
114 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
115 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
116 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
119 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
121 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
124 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
125 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
126 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
127 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
130 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
131 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
132 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
133 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
134 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
136 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.4	0.3	0.3	0.6	0.6	0.5	0.3
137 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
138 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
139 Strawberry Creek	0.1	0.1	0.1	0.1	0	0	0.1	0	0	0	0	0.1	0.1	0.1	0.1
140 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
141 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
142 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
144 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
145 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
146 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
147 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
148 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
149 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
150 Weeks Falls	0.8	0.8	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
151 White James	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
152 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
153 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1	
154 Wisconsin Creek	0	0	0	0.1	0	0	0.1	0	0	0	0	0	0.1	0	0
155 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>156 Total NUG: Hydro</b>	<b>338</b>	<b>334</b>	<b>240</b>	<b>157</b>	<b>116</b>	<b>108</b>	<b>98</b>	<b>104</b>	<b>137</b>	<b>263</b>	<b>272</b>	<b>398</b>	<b>431</b>	<b>410</b>	<b>234</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
157 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
158 Montana One	9.3	9.5	8.8	8.9	6.7	7.5	7.8	7.4	6.4	6.3	6.2	10	11	8.5	8.3
159 Pocatello Waste	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
161 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>162 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>23</b>	<b>24</b>	<b>24</b>	<b>24</b>	<b>23</b>	<b>23</b>	<b>23</b>	<b>27</b>	<b>28</b>	<b>25</b>	<b>25</b>
<i>-NUG: Combustion Turbines-</i>															
163 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
164 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
165 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>166 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
167 Billings Generation	17	17	16	11	12	14	14	14	12	7.3	7.2	19	20	16	14
168 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
169 Boise Cascade Medford	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
170 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
171 Cogen Co	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
172 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
173 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
174 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
175 Haleywest L.L.C	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	4.1
176 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
177 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
178 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
179 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
180 Metro Westpoint	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
181 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
182 Pottlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
183 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
184 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
185 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117

**Table A-24: Regional NUG Resources By Project And Project Type**  
**PNW Loads and Resource Study**  
**2009 - 2010 Operating Year**  
**[43] 2007 White Book (Final)**

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 Tamarack	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
187 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
188 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
189 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
190 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>191 Total NUG: Co-Generation</b>	<b>435</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>437</b>	<b>435</b>	<b>426</b>	<b>431</b>	<b>417</b>	<b>428</b>	<b>427</b>	<b>435</b>	<b>437</b>	<b>446</b>	<b>434</b>
<i>-NUG: Renewables-</i>															
192 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
193 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
194 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
195 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
196 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
197 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
198 Emmett Biomass Project	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
199 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
200 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
201 Foote Creek 2	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
202 Foote Creek 4	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
203 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
204 Fourmile Hill Geothermal	0	0	0	50	50	50	50	50	50	50	50	50	50	50	42
205 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
207 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
209 Klondike I	9	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
210 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
211 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
213 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
214 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
215 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
216 Stateline Wind Project	71	72	69	68	70	61	51	41	116	81	82	82	82	79	73
217 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
218 Vansycle Wind	7.8	8.0	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
219 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
221 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
222 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>223 Total NUG: Renewables</b>	<b>305</b>	<b>307</b>	<b>309</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>394</b>
<i>-Total Non-Utility Generating Resources-</i>															
224 Federal Entities	71	70	54	101	106	103	100	97	125	108	108	106	107	102	98
225 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
226 Investor-Owned Entities	977	978	963	932	943	934	916	921	973	904	905	889	1066	1037	955
227 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>228 Total Non-Utility Generation</b>	<b>1397</b>	<b>1397</b>	<b>1317</b>	<b>1298</b>	<b>1308</b>	<b>1264</b>	<b>1254</b>	<b>1224</b>	<b>1393</b>	<b>1329</b>	<b>1338</b>	<b>1422</b>	<b>1615</b>	<b>1561</b>	<b>1366</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	1.1	1.1	1.5	1.9	2	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.6	2.0	1.9
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7



Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0	0.1	0	0.1	0.1	0.1	0	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>314</b>	<b>312</b>	<b>234</b>	<b>158</b>	<b>117</b>	<b>107</b>	<b>97</b>	<b>105</b>	<b>137</b>	<b>264</b>	<b>273</b>	<b>398</b>	<b>430</b>	<b>410</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.4	9.6	8.9	9.0	9.2	10.0	10	10.0	8.9	8.9	8.7	10	8.7	8.5	9.3
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	17	18	16	11	17	18	19	18	16	10	10	19	16	16	16
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>441</b>	<b>440</b>	<b>431</b>	<b>436</b>	<b>421</b>	<b>431</b>	<b>430</b>	<b>435</b>	<b>432</b>	<b>446</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
207 Klondike I	9.1	9	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Stalene Wind Project	73	71	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	8	7.8	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>357</b>	<b>355</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>403</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	96	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
224 Investor-Owned Entities	978	978	963	933	950	940	922	929	980	911	912	890	1059	1037	958
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1426</b>	<b>1423</b>	<b>1361</b>	<b>1298</b>	<b>1315</b>	<b>1270</b>	<b>1260</b>	<b>1232</b>	<b>1400</b>	<b>1336</b>	<b>1345</b>	<b>1422</b>	<b>1608</b>	<b>1561</b>	<b>1374</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	1.1	1.1	1.5	1.9	2	1.6	1.5	1.7	1.7	2.7	2.6	3.1	2.7	2.0	2.0
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>314</b>	<b>312</b>	<b>235</b>	<b>158</b>	<b>117</b>	<b>107</b>	<b>98</b>	<b>104</b>	<b>136</b>	<b>264</b>	<b>274</b>	<b>398</b>	<b>430</b>	<b>410</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.4	9.6	8.9	9.0	9.2	10.0	10	10	9.0	9.0	8.8	10	8.8	8.6	9.4
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>27</b>	<b>25</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	17	18	16	11	17	18	19	18	16	10	10	19	16	16	16
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>441</b>	<b>440</b>	<b>431</b>	<b>436</b>	<b>422</b>	<b>431</b>	<b>430</b>	<b>435</b>	<b>432</b>	<b>446</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.5	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	12	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	2.8	2.8	3.4	4.5	7.6	7.5	8.7	9.5	6.1	6.7	6.8	4.6	5.1	3.8	5.9
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.0	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	15	26	24	24	30	29	34	22
207 Klondike I	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	40	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Stalene Wind Project	72	72	69	68	70	61	51	41	116	82	81	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.9	7.9	7	7.6	8.4	8.7	8.5	7.5	11	8.6	8.5	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	12	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>356</b>	<b>356</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>355</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>402</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	339	337	289	253	248	216	227	192	284	306	314	415	431	411	301
224 Investor-Owned Entities	978	978	965	933	950	940	923	927	979	910	912	890	1059	1037	958
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1425</b>	<b>1424</b>	<b>1362</b>	<b>1298</b>	<b>1315</b>	<b>1270</b>	<b>1261</b>	<b>1227</b>	<b>1399</b>	<b>1336</b>	<b>1345</b>	<b>1422</b>	<b>1608</b>	<b>1561</b>	<b>1374</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	1.1	1.1	1.5	1.9	2	1.6	1.6	1.7	1.8	2.7	2.6	3.2	3.4	2.0	2
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7



Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

**Table A-24: Regional NUG Resources By Project And Project Type  
PNW Loads and Resource Study  
2012 - 2013 Operating Year  
[43] 2007 White Book (Final)**

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.6	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>314</b>	<b>312</b>	<b>235</b>	<b>158</b>	<b>117</b>	<b>108</b>	<b>98</b>	<b>104</b>	<b>136</b>	<b>264</b>	<b>273</b>	<b>397</b>	<b>430</b>	<b>411</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.5	9.7	8.9	9.1	9.2	10	10	10	9.1	9.1	8.9	10	11	8.6	9.7
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>25</b>	<b>27</b>	<b>28</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	17	18	16	11	17	18	19	19	17	11	10	19	21	16	17
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>441</b>	<b>440</b>	<b>431</b>	<b>436</b>	<b>422</b>	<b>431</b>	<b>431</b>	<b>435</b>	<b>437</b>	<b>447</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
207 Klondike I	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Stalene Wind Project	72	72	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.9	7.9	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>356</b>	<b>356</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>403</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
224 Investor-Owned Entities	979	979	965	933	951	942	923	929	979	911	912	889	1066	1038	959
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1426</b>	<b>1425</b>	<b>1363</b>	<b>1299</b>	<b>1315</b>	<b>1272</b>	<b>1261</b>	<b>1232</b>	<b>1399</b>	<b>1336</b>	<b>1345</b>	<b>1421</b>	<b>1616</b>	<b>1562</b>	<b>1375</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>314</b>	<b>312</b>	<b>235</b>	<b>158</b>	<b>117</b>	<b>108</b>	<b>98</b>	<b>104</b>	<b>137</b>	<b>264</b>	<b>273</b>	<b>397</b>	<b>430</b>	<b>410</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

**Table A-24: Regional NUG Resources By Project And Project Type  
PNW Loads and Resource Study  
2013 - 2014 Operating Year  
[43] 2007 White Book (Final)**

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>442</b>	<b>440</b>	<b>431</b>	<b>437</b>	<b>422</b>	<b>431</b>	<b>431</b>	<b>436</b>	<b>433</b>	<b>447</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
207 Klondike I	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Staleline Wind Project	72	72	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.9	7.9	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>356</b>	<b>356</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>403</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
224 Investor-Owned Entities	979	980	965	934	952	942	924	929	981	911	912	889	1060	1037	959
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1426</b>	<b>1425</b>	<b>1363</b>	<b>1300</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1232</b>	<b>1401</b>	<b>1336</b>	<b>1346</b>	<b>1422</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7



Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>312</b>	<b>311</b>	<b>235</b>	<b>158</b>	<b>117</b>	<b>108</b>	<b>99</b>	<b>105</b>	<b>137</b>	<b>264</b>	<b>273</b>	<b>398</b>	<b>430</b>	<b>410</b>	<b>232</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>442</b>	<b>440</b>	<b>431</b>	<b>437</b>	<b>422</b>	<b>431</b>	<b>431</b>	<b>436</b>	<b>433</b>	<b>447</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
207 Klondike I	9	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Staleline Wind Project	71	72	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.8	8.0	7	7.6	8.4	8.7	8.5	7.7	11	8.6	8.6	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>355</b>	<b>357</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>403</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	338	338	289	253	248	216	227	195	284	306	314	415	431	411	302
224 Investor-Owned Entities	977	979	966	934	952	942	925	930	981	911	912	891	1060	1037	959
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1423</b>	<b>1425</b>	<b>1363</b>	<b>1299</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1233</b>	<b>1401</b>	<b>1336</b>	<b>1346</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	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	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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
16 Buffalo Hydro	0.2	0.2	0.2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey Cspp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>312</b>	<b>312</b>	<b>235</b>	<b>157</b>	<b>116</b>	<b>109</b>	<b>98</b>	<b>105</b>	<b>137</b>	<b>265</b>	<b>274</b>	<b>398</b>	<b>430</b>	<b>410</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>442</b>	<b>440</b>	<b>431</b>	<b>437</b>	<b>422</b>	<b>431</b>	<b>431</b>	<b>436</b>	<b>433</b>	<b>447</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	38	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.4	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	12	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.0	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	15	26	24	24	30	29	34	22
207 Klondike I	9	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.8	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	40	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Staleline Wind Project	71	72	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.8	8.0	7	7.6	8.4	8.7	8.5	7.5	11	8.6	8.6	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	12	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>355</b>	<b>357</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>355</b>	<b>521</b>	<b>405</b>	<b>405</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>402</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	338	338	289	253	248	216	227	192	284	306	314	415	431	411	301
224 Investor-Owned Entities	977	979	965	932	951	942	924	928	981	912	913	891	1060	1037	958
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1423</b>	<b>1425</b>	<b>1363</b>	<b>1298</b>	<b>1315</b>	<b>1272</b>	<b>1262</b>	<b>1229</b>	<b>1401</b>	<b>1337</b>	<b>1346</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
<i>-NUG: Hydro-</i>															
1 Albany	0.3	0.3	0.3	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Beaverton	0	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0
5 Bell Mountain	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
6 Bingham Engineering	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 Birch Creek	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0	0	0	0	0
8 Birch Creek	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	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10 Black Creek	3.1	3.1	2.8	1.9	2.8	2.8	3.4	3.4	3.1	3.7	3.4	3.1	3.1	2.8	3.0
11 Blind Canyon Hydro	0.7	0.7	1.1	0.9	0.2	0	0	0	0	0.6	0.6	1.6	1.0	0.7	0.6
12 Boulder Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
13 Box Canyon	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
14 Briggs Creek	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15 Broadwater Dam	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
16 Buffalo Hydro	0.2	0.2	0.2	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 & Bouchar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Bypass	8.3	8.3	6.5	2.8	1.0	0	0	0	0.1	2.9	2.9	7	8.2	8.7	3.8
19 Canyon Springs	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
20 Carlton	0	0	0	0	0	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0
21 Cascade Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 Cedar Draw	0.3	0.3	0.9	0.9	0.9	1.2	1.2	1.3	0.4	0.4	0.4	0.4	0.3	0.3	0.7
23 Central OR Irrigation District	3.1	3.1	3.7	3.5	0	0.7	0	0.4	0.9	0.8	0.8	4.5	3.8	4.1	2.1
24 Clear Springs Trout	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5	0.4	0.3	0.3	0.4	0.4	0.4	0.4
25 Cornelius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Cowiche	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
27 Crystal Springs	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.	0.2	0.2	0.2	0.1	0.1	0	0	0	0.1	0.1	0.1	0.2	0.2	0.2	0.1
29 Curtiss Livestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Deep Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 Derr Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.1
33 Dietrich Drop	4.7	4.7	3.6	3.1	1.4	0	0	0	0	3.1	3.1	4.7	4.7	4.5	2.5
34 Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 Donald Jenni	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
36 Dworshak/Clearwater Small Hydropower	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Elk Creek	1.2	1.2	0	0	0	0.1	0.1	0.1	1	1	1	1	1.2	1.2	0.6
39 Eltopia Br Canal 4.6	1.8	1.8	1.2	0.6	0	0	0	0	0	1.4	1.4	2	2	2.2	0.9
40 Estacada	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
41 Falls Creek	0	0	0	0	1.9	3.1	0.9	2.7	2.7	4.4	4.4	4.1	3.8	0	2.0
42 Falls Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Falls River	6.5	6.5	6.3	5.7	5.6	5.0	4.2	3.8	3.8	6.2	6.2	7.9	8.5	7.1	5.9
44 Farmers Irrig.	0.6	0.6	0.7	1.2	3.2	3.2	2.1	4.6	3.3	3.5	3.5	4.7	0.8	0.7	2.4
45 Faulkner Ranch	0.8	0.8	0.7	0.7	0.7	0.3	0.3	0.3	0.5	0.6	0.6	0.5	0.8	0.8	0.6
46 Fisheries Development Co	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3
47 Galesville Dam	0.6	0.6	0.4	0.2	0.2	0.3	0	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.3
48 Geobon 2	1.0	1.0	0.3	0.3	0.3	0.2	0.2	0.3	0.6	0.6	0.6	0.6	1.0	1.0	0.5
49 Georgetown Power	0	0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0	0.2
50 Hailey C spp	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
51 Hazelton A	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
52 Hazelton B	6.6	6.6	5.2	2.4	0.7	0	0	0	0.1	2.2	2.2	5.6	6.4	7.0	3
53 Horseshoe Bend	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
54 Hutchinson Creek	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
55 Ingram Warm Springs	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4
56 Jim Ford Creek	0	0	0	0	0.3	0.5	0.9	0.9	1.1	1.1	1.1	0.7	0.3	0.1	0.5
57 Jim Knight	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.4	0.2
58 John Day Creek	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
59 John Llewellyn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60 Kasel & Witherspoon	0.9	0.9	0.9	0.6	0.4	0.2	0.2	0.2	0.3	0.4	0.4	0.8	0.9	0.8	0.5
61 Kevin Duncan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Koma Kulshan	4.6	4.6	4.3	6.4	8	6.1	3.9	3.8	4.4	6.9	6.9	9.4	10	8.2	6.4
63 Koyle	1.1	1.1	1.1	1.0	1	0.2	0.1	0.1	0.3	0.8	0.8	1.2	0.8	0.9	0.7



Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64 L. Fery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 Lacombe Irrig.	0	0	0	0	0.2	1.0	0.2	0.9	0.9	1	1	0.9	0.9	0.4	0.5
66 Lake Oswego	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67 Lateral #10	1.2	1.2	1.3	1.6	1.7	1.2	1.2	1.3	1.4	1.5	1.5	1.4	1.3	1.2	1.4
68 Lee Tavenner	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
69 Lemoyne	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70 Lilliwaup Falls Generating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71 Little Mac	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72 Little Wood River Res.	1.9	1.9	0.2	0.2	0.2	0	0	0	1.6	1.7	1.7	1.6	2	1.9	0.9
73 Littlewood/Arkoosh	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.5	0.5	0.4	0.8	0.7	0.5
74 Lowline #2	2.7	2.7	2.5	1.8	1.4	0	0	0.7	1.9	2.5	2.5	2.7	2.7	2.7	1.8
75 Lowline Canal	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	29	27	20	4.5	0	0.7	0	1.5	1.6	11	11	68	75	73	24
77 Magic Reservoir	6.8	6.8	4.4	0.5	0.2	0.1	0.3	0.1	0.9	3.0	3.0	8.3	9.1	9.0	3.5
78 Main Canal Headworks	20	20	12	5.2	0	0	0	0	2.8	14	14	18	21	24	9.8
79 Malad River	0.5	0.5	0.6	0.5	0.5	0.1	0.1	0	0.2	0.4	0.4	0.6	0.4	0.5	0.4
80 Marcos Ranches	1.1	1.1	1.2	1.1	1.2	0	0	0	1.1	1.2	1.2	1.1	1.2	1.1	0.9
81 Marsh Valley	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82 Meyers Falls	1	1	0.9	0.6	0.9	0.9	0.6	0.8	1.1	1.1	1.1	1	1.2	1.1	0.9
83 Middlefork Irrig.	1.8	1.8	0.8	1.2	1.3	1.7	2.7	3.1	3.1	2.9	2.9	2.8	2.4	2.0	2.2
84 Mile 28	1.3	1.3	1.2	0.7	0.2	0	0	0	0	0.6	0.6	1.2	1.3	1.4	0.7
85 Mill Creek (OR)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
86 Minikahda	0	0	0	0	0	0.1	0.1	0.1	0	0.1	0.1	0.1	0	0	0
87 Mink Creek	1.2	1.2	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.4	0.4	1.6	2.7	1.6	0.9
88 Mitchell Butte	1	1	1.1	0.4	0	0	0	0	0.3	0.8	0.8	1.2	1.3	1.1	0.6
89 Mora Canal Drop	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90 Mountain Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91 Mt. Tabor	0.1	0.1	0.1	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	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	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	0	0	0	0	0.4	0.6	0.2	0.5	0.6	0.4	0.4	0	0	0	0.2
95 Nicholson Sunnybar	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
96 North Fork Sprague	0	0	0.1	0	0	0	0.1	0.3	0.2	0.3	0.3	0.9	0.4	0.1	0.2
97 O.J. Power	0	0	0.1	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
98 Odell Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99 Opal Springs	2.6	2.6	3.0	3.6	3.2	2.9	2.9	3.5	2.6	2.7	2.7	4.5	1.6	2.2	2.9
100 Orchard Avenue	0.8	0.8	0.8	0.8	0	0	0	0	0	0	0.8	0.8	0.8	0.8	0.4
101 Owyhee Dam	2.8	2.8	2.0	0.6	0	0	0.2	0.6	1.8	3.3	3.3	3.9	3.3	3.2	1.8
102 Pancheri	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 PEC Headworks	4.5	4.5	3.1	2.2	0	0	0	0	0.4	5.1	5.1	6.5	6.2	5.8	2.8
104 Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105 Phillipsburg	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
106 Pickering Micro Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107 Pigeon Cove	2.0	2.0	2.1	1.3	0.8	0.4	0.3	0.4	0.6	0.8	0.8	1.7	1.9	1.7	1.2
108 Pine Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
109 Portland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110 Portland Hydro Project	2.3	2.3	2.9	6.7	16	20	18	17	16	17	17	15	8.4	3.2	12
111 Portneuf River	0.2	0.2	0.1	0	0.1	0.1	0	0	0	0	0	0.2	0.6	0.4	0.1
112 Potholes E Canal 66.0	1.8	1.8	1.8	1.6	0	0	0	0	0.6	1.8	1.8	1.8	1.8	1.8	1.1
113 Preston City	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4
114 Pristine Springs	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115 Pristine Springs #3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
116 Quincy Chute	7.7	7.7	4	2.3	0	0	0	0	0.8	5.5	5.5	7.1	8.4	8.5	3.7
117 Reynolds Irrigation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
118 Rim View	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
119 Rock Creek #1	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	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	0	0	0	0	0.2	0.6	0.6	0.4	0.5	0.5	0.5	0.2	0.1	0	0.3
122 Russel D. Smith	4	4	2.6	1.4	0	0	0	0	0.2	2.4	2.4	3.8	4.2	3.4	1.8
123 Sagebrush	0.4	0.4	0.3	0.3	0.3	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.4	0.4	0.3
124 Sahko	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125 Salem	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126 Schaffner	0.4	0.4	0.3	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.3
127 Sheep Creek	0.4	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.9	1.6	1.6	0.8	1.5	1.1	0.7
128 Shingle Creek	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129 Shoshone	0.3	0.3	0.3	0.3	0.3	0	0	0	0.1	0.2	0.2	0.4	0.2	0.3	0.2
130 Shoshone II	0.6	0.6	0.6	0	0	0	0	0	0	0.3	0.3	0.5	0.6	0.6	0.3
131 Snake River Pottery	0	0	0	0	0	0.1	0.1	0.1	0	0	0	0	0	0	0
132 Snedigar Ranch	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	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0
134 South Dry Creek	0.5	0.5	0.5	0.5	0	0	0	0	0.5	0.5	0.5	0.6	0.5	0.5	0.3
135 Spokane Upriver	3.4	3.4	3.4	4.7	6.7	13	14	13	14	13	13	11	12	8.4	9.7
136 Stauffer Dry Creek	0.9	0.9	1	0.8	0.4	0	0.3	0.3	0.4	0.4	0.4	0.9	2.7	2.1	0.8
137 Strawberry Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
138 Summer Falls	79	79	48	22	0	0	0	0	4.8	50	50	71	81	87	37
139 Sunshine Power #2	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
140 Thomas Burnside	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141 Tiber Dam Liberty Montana	7	7	5.4	2.5	0.9	0	0	0	0.1	2.6	2.6	6	6.7	7.4	3.2
142 Tieton	7.8	7.8	7.8	7.8	0	0	0	0	0	0	7.8	7.8	7.8	7.8	4.2
143 Trout Co.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
144 Tunnel #1	4.3	4.3	2.6	0.5	0	0	0	0	2.4	5.1	5.1	5.8	5.8	5.9	2.7
145 Twin Falls	5	5	0	1.2	9.6	7.9	7.4	4.8	7.8	15	15	13	24	19	9.6
146 Walla Walla	1.5	1.5	1.4	1.3	1.2	1.3	1.2	1.5	1.8	1.8	1.8	1.5	1.5	1.8	1.5
147 Water Street / Santiam	0	0	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
148 Weeks Falls	0.8	0.8	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
149 White James	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
150 White Water Ranch	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
151 Wilson Lake Hydro	7.1	7.1	5.3	2.0	0.2	0	0	0	0	2.3	2.3	6.1	6.8	7.6	3.1
152 Wisconsin Creek	0	0	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0	0.1
153 Woods Creek	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>154 Total NUG: Hydro</b>	<b>314</b>	<b>312</b>	<b>235</b>	<b>157</b>	<b>117</b>	<b>108</b>	<b>98</b>	<b>105</b>	<b>137</b>	<b>265</b>	<b>274</b>	<b>398</b>	<b>430</b>	<b>410</b>	<b>231</b>
<i>-NUG: Small Thermal &amp; Misc.-</i>															
155 Methane Energy Agricultural D.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
156 Montana One	9.6	9.8	9	9.1	9.3	10	11	10	9.2	9.2	9	11	9.1	8.6	9.6
157 Pocatello Waste	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
158 Spokane MSW	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
159 West Boise Waste	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>160 Total NUG: Small Thermal &amp; Misc.</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>26</b>	<b>25</b>	<b>26</b>
<i>-NUG: Combustion Turbines-</i>															
161 Rathdrum- Boekel Rd. #1	66	66	68	70	72	73	73	72	67	50	0	69	68	66	66
162 Rathdrum -Boekel Rd. #2	66	66	68	70	72	73	73	72	67	0	50	69	68	66	66
163 Tenaska Gas Cogen	161	161	161	161	161	161	161	161	161	161	161	0	161	161	148
<b>164 Total NUG: Combustion Turbines</b>	<b>294</b>	<b>294</b>	<b>297</b>	<b>301</b>	<b>304</b>	<b>307</b>	<b>308</b>	<b>306</b>	<b>295</b>	<b>211</b>	<b>211</b>	<b>137</b>	<b>296</b>	<b>294</b>	<b>279</b>
<i>-NUG: Co-Generation-</i>															
165 Billings Generation	18	18	17	11	17	19	19	19	17	11	11	20	17	16	17
166 Biomass One	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
167 Boise Cascade Medford	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
168 Champion	3.3	3.3	3.3	3.3	3.3	3.3	1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1
169 Cogen Co	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
170 DR Johnson - Co-Gen II	7.5	7.5	7.7	5.8	7.3	6.0	6.7	9.1	7.3	7.4	7.4	11	4.2	7.1	7.2
171 Everett Cogeneration Project	38	38	38	36	36	34	31	34	19	36	36	38	33	38	34
172 Evergreen Biopower Cogen	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
173 Haleywest L.L.C	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	4.1
174 Magic Valley	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
175 Magic West	9.3	9.3	9.7	9.3	9.6	9.3	9.3	10	9.4	9.7	9.7	9.4	9.7	9.3	9.5
176 March Point #1	77	77	77	77	77	77	77	77	77	77	77	77	77	77	77
177 March Point #2	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
178 Metro Westpoint	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
179 PERC Pierce, Wa	2	2	2	2	2	2	2	2	2	2	2	0	2	2	1.8
180 Potlatch Contract Renewal	48	48	57	55	55	58	52	48	53	50	50	45	52	59	53
181 Simplot Pocatello	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
182 Sumas Compression Station	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
183 Sumas Energy	117	117	117	117	117	117	117	117	117	117	117	117	117	117	117
184 Tamarack	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
185 TASC0 Nampa ID	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table A-24: Regional NUG Resources By Project And Project Type  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 [43] 2007 White Book (Final)

Continued

3/31/2007

Energy (aMW)	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
186 TASC0 Twin Falls ID	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
187 Vaagen Bros.	3	3	3.7	3.8	3.3	2.6	2.9	3.1	3.4	3.6	3.6	2.7	3.7	3.8	3.3
188 Warm Springs	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0	0.1
<b>189 Total NUG: Co-Generation</b>	<b>436</b>	<b>436</b>	<b>446</b>	<b>434</b>	<b>442</b>	<b>440</b>	<b>431</b>	<b>437</b>	<b>422</b>	<b>431</b>	<b>431</b>	<b>436</b>	<b>433</b>	<b>447</b>	<b>436</b>
<i>-NUG: Renewables-</i>															
190 Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Big Horn	39	39	46	48	52	47	44	39	74	45	45	57	59	51	50
192 Chinook Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
193 Condon Wind Project	7.1	7.1	8.3	11	13	12	9.8	8.8	15	9.5	9.4	8.7	8.4	7.8	9.9
194 Covanta Marion Solid Waste	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
195 Dry Creek Landfill (NUG Renewable)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
196 Emmett Biomass Project	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
197 Eurus Combine Hills	13	13	12	12	14	14	14	13	18	14	14	14	14	13	14
198 Foote Creek 1	8.5	8.5	11	16	17	21	23	21	18	16	16	12	12	6	15
199 Foote Creek 2	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
200 Foote Creek 4	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
201 Fossil Gulch Wind Project	2	2.1	2.4	2.5	2.7	2.5	2.3	2.1	3.9	2.4	2.4	3	3.1	2.7	2.6
202 Fourmile Hill Geothermal	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
203 Healow #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
204 Hidden Hollow Landfill	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
205 Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
206 Klondike 2	28	28	24	19	14	11	9.1	16	26	24	24	30	29	34	22
207 Klondike I	9.1	9.1	7.8	6.8	4.5	3.6	3.3	5	8.4	7.7	7.8	10	11	11	7.4
208 Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
209 Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
210 Nine Canyon Wind Project	18	18	17	26	46	46	51	42	28	24	24	24	23	17	30
211 Pine Products Corp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
212 Puyallup Energy Recovery	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
213 Raft River Geothermal Phase One	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
214 Stalene Wind Project	72	72	69	68	70	61	51	41	116	81	82	82	82	79	73
215 VanderHaak Dairy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
216 Vansycle Wind	7.9	7.9	7	7.6	8.4	8.7	8.5	7.7	11	8.5	8.7	8.9	8.8	8.3	8.4
217 White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
218 White Creek	45	45	44	52	69	48	66	50	80	58	58	59	58	44	56
219 Windmill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
220 Wolverine Creek	12	13	15	16	17	15	14	13	24	15	15	18	19	17	16
<b>221 Total NUG: Renewables</b>	<b>356</b>	<b>356</b>	<b>359</b>	<b>381</b>	<b>427</b>	<b>390</b>	<b>398</b>	<b>359</b>	<b>521</b>	<b>404</b>	<b>406</b>	<b>425</b>	<b>424</b>	<b>386</b>	<b>403</b>
<i>-Total Non-Utility Generating Resources-</i>															
222 Federal Entities	97	97	97	101	106	103	100	97	125	108	108	106	107	102	104
223 Public Entities	339	337	289	253	248	216	227	195	284	306	314	415	431	411	302
224 Investor-Owned Entities	979	979	965	932	951	942	924	930	981	912	913	891	1060	1037	959
225 Other Entities	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
<b>226 Total Non-Utility Generation</b>	<b>1425</b>	<b>1425</b>	<b>1363</b>	<b>1298</b>	<b>1316</b>	<b>1272</b>	<b>1262</b>	<b>1233</b>	<b>1401</b>	<b>1337</b>	<b>1347</b>	<b>1423</b>	<b>1609</b>	<b>1561</b>	<b>1375</b>

THIS PAGE INTENTIONALLY LEFT BLANK

Table A-26  
Dedicated Resources  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1719	1538	1637	1865	2032	2438	2104	1618	1813	1875	1786	1777	3092	2303	2012
2 Total Generating Public Entities	1719	1538	1637	1865	2032	2438	2104	1618	1813	1875	1786	1777	3092	2303	2012
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	37	40	39	77	87	85	97	90	108	96	85	100	129	103	87
4 Total Non-Generating Public Entities	37	40	39	77	87	85	97	90	108	96	85	100	129	103	87
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7357	7156	7147	7220	7546	7939	7280	7061	7336	8121	7793	6608	7997	7550	7408
6 Total Investor-owned Entities	7357	7156	7147	7220	7546	7939	7280	7061	7336	8121	7793	6608	7997	7550	7408
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1719	1538	1637	1865	2032	2438	2104	1618	1813	1875	1786	1777	3092	2303	2012
8 Small & Non Generating Entities	37	40	39	77	87	85	97	90	108	96	85	100	129	103	87
9 Investor-Owned Entities	7357	7156	7147	7220	7546	7939	7280	7061	7336	8121	7793	6608	7997	7550	7408
10 Regional Total Dedicated Resources	9113	8734	8824	9162	9665	10462	9481	8770	9257	10092	9664	8485	11218	9957	9507

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1801	1620	1716	1908	2084	2471	2108	1622	1818	1874	1786	1862	3091	2302	2044
2 Total Generating Public Entities	1801	1620	1716	1908	2084	2471	2108	1622	1818	1874	1786	1862	3091	2302	2044
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	96	99	89	95	111	105	96	89	107	95	84	99	128	102	101
4 Total Non-Generating Public Entities	96	99	89	95	111	105	96	89	107	95	84	99	128	102	101
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7387	7367	7362	7284	7558	7936	7277	7057	7320	7440	7260	6650	7994	7475	7387
6 Total Investor-owned Entities	7387	7367	7362	7284	7558	7936	7277	7057	7320	7440	7260	6650	7994	7475	7387
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1801	1620	1716	1908	2084	2471	2108	1622	1818	1874	1786	1862	3091	2302	2044
8 Small & Non Generating Entities	96	99	89	95	111	105	96	89	107	95	84	99	128	102	101
9 Investor-Owned Entities	7387	7367	7362	7284	7558	7936	7277	7057	7320	7440	7260	6650	7994	7475	7387
10 Regional Total Dedicated Resources	9284	9086	9166	9288	9753	10512	9482	8768	9244	9409	9130	8611	11213	9879	9531

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1801	1620	1716	1908	2070	2459	2095	1609	1791	1686	1599	1804	3082	2294	2015
2 Total Generating Public Entities	1801	1620	1716	1908	2070	2459	2095	1609	1791	1686	1599	1804	3082	2294	2015
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	94	98	87	95	110	104	96	89	104	96	84	95	125	103	100
4 Total Non-Generating Public Entities	94	98	87	95	110	104	96	89	104	96	84	95	125	103	100
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7361	7159	7156	7226	7531	7913	7187	6970	7178	7416	6973	7421	8254	7499	7399
6 Total Investor-owned Entities	7361	7159	7156	7226	7531	7913	7187	6970	7178	7416	6973	7421	8254	7499	7399
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1801	1620	1716	1908	2070	2459	2095	1609	1791	1686	1599	1804	3082	2294	2015
8 Small & Non Generating Entities	94	98	87	95	110	104	96	89	104	96	84	95	125	103	100
9 Investor-Owned Entities	7361	7159	7156	7226	7531	7913	7187	6970	7178	7416	6973	7421	8254	7499	7399
10 Regional Total Dedicated Resources	9257	8878	8960	9229	9711	10475	9378	8668	9074	9198	8655	9320	11460	9896	9514



Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1799	1620	1715	1906	2079	2467	2103	1617	1800	1696	1609	1807	3092	2277	2019
2 Total Generating Public Entities	1799	1620	1715	1906	2079	2467	2103	1617	1800	1696	1609	1807	3092	2277	2019
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	96	99	85	89	108	98	92	86	100	87	75	76	95	83	91
4 Total Non-Generating Public Entities	96	99	85	89	108	98	92	86	100	87	75	76	95	83	91
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7307	7122	7085	7137	7438	7814	7101	6884	7111	7510	6747	6810	7574	7413	7226
6 Total Investor-owned Entities	7307	7122	7085	7137	7438	7814	7101	6884	7111	7510	6747	6810	7574	7413	7226
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1799	1620	1715	1906	2079	2467	2103	1617	1800	1696	1609	1807	3092	2277	2019
8 Small & Non Generating Entities	96	99	85	89	108	98	92	86	100	87	75	76	95	83	91
9 Investor-Owned Entities	7307	7122	7085	7137	7438	7814	7101	6884	7111	7510	6747	6810	7574	7413	7226
10 Regional Total Dedicated Resources	9202	8841	8885	9133	9625	10379	9297	8587	9010	9294	8431	8693	10761	9774	9336

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1786	1611	1699	1998	2187	2581	2209	1728	1921	2039	1933	2034	3276	2466	2149
2 Total Generating Public Entities	1786	1611	1699	1998	2187	2581	2209	1728	1921	2039	1933	2034	3276	2466	2149
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	89	83	79	84	101	91	87	81	95	77	65	66	85	73	83
4 Total Non-Generating Public Entities	89	83	79	84	101	91	87	81	95	77	65	66	85	73	83
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7220	7036	7000	6916	7213	7592	6984	6763	6981	7612	7478	6210	7762	7228	7110
6 Total Investor-owned Entities	7220	7036	7000	6916	7213	7592	6984	6763	6981	7612	7478	6210	7762	7228	7110
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1786	1611	1699	1998	2187	2581	2209	1728	1921	2039	1933	2034	3276	2466	2149
8 Small & Non Generating Entities	89	83	79	84	101	91	87	81	95	77	65	66	85	73	83
9 Investor-Owned Entities	7220	7036	7000	6916	7213	7592	6984	6763	6981	7612	7478	6210	7762	7228	7110
10 Regional Total Dedicated Resources	9095	8729	8778	8998	9501	10264	9281	8572	8998	9729	9477	8311	11122	9767	9342

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1938	1763	1842	2006	2196	2589	2219	1736	1930	2047	1940	2037	3283	2473	2180
2 Total Generating Public Entities	1938	1763	1842	2006	2196	2589	2219	1736	1930	2047	1940	2037	3283	2473	2180
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	80	73	73	84	101	91	87	81	95	77	65	67	85	73	82
4 Total Non-Generating Public Entities	80	73	73	84	101	91	87	81	95	77	65	67	85	73	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7088	6904	6872	6922	7215	7595	6987	6768	6858	7354	6605	6761	7868	7231	7088
6 Total Investor-owned Entities	7088	6904	6872	6922	7215	7595	6987	6768	6858	7354	6605	6761	7868	7231	7088
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1938	1763	1842	2006	2196	2589	2219	1736	1930	2047	1940	2037	3283	2473	2180
8 Small & Non Generating Entities	80	73	73	84	101	91	87	81	95	77	65	67	85	73	82
9 Investor-Owned Entities	7088	6904	6872	6922	7215	7595	6987	6768	6858	7354	6605	6761	7868	7231	7088
10 Regional Total Dedicated Resources	9105	8740	8787	9012	9512	10275	9294	8585	8883	9478	8611	8864	11236	9777	9349

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1951	1776	1855	2019	2209	2603	2233	1749	1943	2060	1954	1953	3296	2487	2185
2 Total Generating Public Entities	1951	1776	1855	2019	2209	2603	2233	1749	1943	2060	1954	1953	3296	2487	2185
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	77	65	67	85	73	82
4 Total Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	77	65	67	85	73	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7090	6907	6874	6924	7217	7597	6990	6771	7000	7233	7292	6209	7608	7233	7057
6 Total Investor-owned Entities	7090	6907	6874	6924	7217	7597	6990	6771	7000	7233	7292	6209	7608	7233	7057
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1951	1776	1855	2019	2209	2603	2233	1749	1943	2060	1954	1953	3296	2487	2185
8 Small & Non Generating Entities	80	73	74	84	101	91	87	81	95	77	65	67	85	73	82
9 Investor-Owned Entities	7090	6907	6874	6924	7217	7597	6990	6771	7000	7233	7292	6209	7608	7233	7057
10 Regional Total Dedicated Resources	9121	8756	8802	9027	9527	10291	9310	8601	9038	9371	9312	8228	10989	9793	9324

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1954	1779	1858	2023	2211	2607	2236	1752	1947	2063	1956	1955	3299	2489	2188
2 Total Generating Public Entities	1954	1779	1858	2023	2211	2607	2236	1752	1947	2063	1956	1955	3299	2489	2188
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
4 Total Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7091	6909	6876	6926	7218	7599	6993	6774	6990	7618	7264	5880	7728	7236	7055
6 Total Investor-owned Entities	7091	6909	6876	6926	7218	7599	6993	6774	6990	7618	7264	5880	7728	7236	7055
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1954	1779	1858	2023	2211	2607	2236	1752	1947	2063	1956	1955	3299	2489	2188
8 Small & Non Generating Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
9 Investor-Owned Entities	7091	6909	6876	6926	7218	7599	6993	6774	6990	7618	7264	5880	7728	7236	7055
10 Regional Total Dedicated Resources	9124	8761	8808	9033	9530	10297	9316	8607	9031	9759	9285	7902	11112	9798	9325

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1957	1781	1860	2027	2214	2611	2239	1757	1934	1890	1784	2071	3302	2492	2184
2 Total Generating Public Entities	1957	1781	1860	2027	2214	2611	2239	1757	1934	1890	1784	2071	3302	2492	2184
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
4 Total Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7092	6913	6878	6925	7221	7604	6997	6777	6941	7078	6668	6994	7530	7240	7082
6 Total Investor-owned Entities	7092	6913	6878	6925	7221	7604	6997	6777	6941	7078	6668	6994	7530	7240	7082
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1957	1781	1860	2027	2214	2611	2239	1757	1934	1890	1784	2071	3302	2492	2184
8 Small & Non Generating Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
9 Investor-Owned Entities	7092	6913	6878	6925	7221	7604	6997	6777	6941	7078	6668	6994	7530	7240	7082
10 Regional Total Dedicated Resources	9129	8767	8812	9036	9536	10306	9324	8614	8969	9045	8517	9132	10917	9806	9348

Table A-26: Dedicated Resources  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	1960	1784	1863	2031	2218	2616	2243	1763	1938	1893	1787	2074	3305	2495	2188
2 Total Generating Public Entities	1960	1784	1863	2031	2218	2616	2243	1763	1938	1893	1787	2074	3305	2495	2188
<i>-Non-Generating Public Entities-</i>															
3 Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
4 Total Non-Generating Public Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	7098	6917	6883	6929	7227	7608	7002	6783	6966	7268	6751	7021	7835	7245	7126
6 Total Investor-owned Entities	7098	6917	6883	6929	7227	7608	7002	6783	6966	7268	6751	7021	7835	7245	7126
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	1960	1784	1863	2031	2218	2616	2243	1763	1938	1893	1787	2074	3305	2495	2188
8 Small & Non Generating Entities	80	73	74	84	101	91	87	81	95	78	66	67	85	73	82
9 Investor-Owned Entities	7098	6917	6883	6929	7227	7608	7002	6783	6966	7268	6751	7021	7835	7245	7126
10 Regional Total Dedicated Resources	9137	8774	8820	9044	9547	10315	9332	8627	8998	9239	8604	9162	11225	9813	9397

THIS PAGE INTENTIONALLY LEFT BLANK



Table A-27  
Other Dedicated Resources  
Monthly OY 2008 – 2017  
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2007 - 2008 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	3728	3520	3559	3621	4321	4501	4254	4203	4111	3659	3468	3407	3682	3678	3877
2 Total Generating Public Entities	3728	3520	3559	3621	4321	4501	4254	4203	4111	3659	3468	3407	3682	3678	3877
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3795	3688	3368	3492	3956	4291	4204	4077	3767	3560	3499	3541	3843	3896	3809
4 Total Non-Generating Public Entities	3795	3688	3368	3492	3956	4291	4204	4077	3767	3560	3499	3541	3843	3896	3809
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4567	4568	4354	4655	5354	5669	5583	5534	4897	4945	4674	3907	4791	4753	4906
6 Total Investor-owned Entities	4567	4568	4354	4655	5354	5669	5583	5534	4897	4945	4674	3907	4791	4753	4906
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3728	3520	3559	3621	4321	4501	4254	4203	4111	3659	3468	3407	3682	3678	3877
8 Non Generating Entities	3795	3688	3368	3492	3956	4291	4204	4077	3767	3560	3499	3541	3843	3896	3809
9 Investor-Owned Entities	4567	4568	4354	4655	5354	5669	5583	5534	4897	4945	4674	3907	4791	4753	4906
10 Regional Total Dedicated Resources	12090	11776	11281	11768	13631	14461	14041	13815	12774	12164	11641	10855	12317	12328	12592

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2008 - 2009 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	3815	3606	3648	3651	4358	4539	4293	4279	4148	3697	3507	3370	3592	3704	3908
2 Total Generating Public Entities	3815	3606	3648	3651	4358	4539	4293	4279	4148	3697	3507	3370	3592	3704	3908
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3888	3784	3448	3574	4054	4397	4310	4213	3847	3640	3578	3578	3848	3975	3891
4 Total Non-Generating Public Entities	3888	3784	3448	3574	4054	4397	4310	4213	3847	3640	3578	3578	3848	3975	3891
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4453	4453	4312	4420	5311	5536	5423	5319	4611	4150	4162	3689	4403	4714	4696
6 Total Investor-owned Entities	4453	4453	4312	4420	5311	5536	5423	5319	4611	4150	4162	3689	4403	4714	4696
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3815	3606	3648	3651	4358	4539	4293	4279	4148	3697	3507	3370	3592	3704	3908
8 Non Generating Entities	3888	3784	3448	3574	4054	4397	4310	4213	3847	3640	3578	3578	3848	3975	3891
9 Investor-Owned Entities	4453	4453	4312	4420	5311	5536	5423	5319	4611	4150	4162	3689	4403	4714	4696
10 Regional Total Dedicated Resources	12156	11844	11408	11646	13723	14473	14026	13811	12606	11486	11248	10637	11843	12393	12494

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2009 - 2010 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	3830	3620	3634	3655	4410	4588	4408	4393	4266	3814	3570	3503	3842	3823	3995
2 Total Generating Public Entities	3830	3620	3634	3655	4410	4588	4408	4393	4266	3814	3570	3503	3842	3823	3995
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	3973	3868	3511	3623	4112	4461	4375	4276	3903	3690	3629	3670	3984	4051	3962
4 Total Non-Generating Public Entities	3973	3868	3511	3623	4112	4461	4375	4276	3903	3690	3629	3670	3984	4051	3962
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4470	4471	4336	4551	5297	5447	5415	5328	4630	4468	4552	3730	4663	4665	4753
6 Total Investor-owned Entities	4470	4471	4336	4551	5297	5447	5415	5328	4630	4468	4552	3730	4663	4665	4753
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3830	3620	3634	3655	4410	4588	4408	4393	4266	3814	3570	3503	3842	3823	3995
8 Non Generating Entities	3973	3868	3511	3623	4112	4461	4375	4276	3903	3690	3629	3670	3984	4051	3962
9 Investor-Owned Entities	4470	4471	4336	4551	5297	5447	5415	5328	4630	4468	4552	3730	4663	4665	4753
10 Regional Total Dedicated Resources	12273	11959	11481	11830	13818	14497	14198	13997	12799	11972	11751	10903	12489	12539	12711

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2010 - 2011 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	3970	3743	3790	3814	4572	4744	4457	4443	4304	3850	3605	3454	3743	3865	4064
2 Total Generating Public Entities	3970	3743	3790	3814	4572	4744	4457	4443	4304	3850	3605	3454	3743	3865	4064
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4042	3928	3570	3671	4167	4522	4435	4334	3955	3738	3677	3668	3948	4088	4004
4 Total Non-Generating Public Entities	4042	3928	3570	3671	4167	4522	4435	4334	3955	3738	3677	3668	3948	4088	4004
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4418	4418	4330	4475	5295	5432	5117	5024	4477	4674	4519	3783	4459	4514	4660
6 Total Investor-owned Entities	4418	4418	4330	4475	5295	5432	5117	5024	4477	4674	4519	3783	4459	4514	4660
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	3970	3743	3790	3814	4572	4744	4457	4443	4304	3850	3605	3454	3743	3865	4064
8 Non Generating Entities	4042	3928	3570	3671	4167	4522	4435	4334	3955	3738	3677	3668	3948	4088	4004
9 Investor-Owned Entities	4418	4418	4330	4475	5295	5432	5117	5024	4477	4674	4519	3783	4459	4514	4660
10 Regional Total Dedicated Resources	12430	12088	11689	11960	14034	14698	14009	13801	12736	12262	11801	10904	12150	12467	12728

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2011 - 2012 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4025	3788	3841	3831	4561	4711	4489	4437	4275	3847	3619	3558	4154	3895	4116
2 Total Generating Public Entities	4025	3788	3841	3831	4561	4711	4489	4437	4275	3847	3619	3558	4154	3895	4116
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4080	3970	3609	3746	4246	4604	4518	4374	4030	3813	3752	3804	4136	4200	4089
4 Total Non-Generating Public Entities	4080	3970	3609	3746	4246	4604	4518	4374	4030	3813	3752	3804	4136	4200	4089
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4268	4269	4218	4310	4855	4971	4791	4700	3982	3097	3233	3396	4496	4504	4305
6 Total Investor-owned Entities	4268	4269	4218	4310	4855	4971	4791	4700	3982	3097	3233	3396	4496	4504	4305
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4025	3788	3841	3831	4561	4711	4489	4437	4275	3847	3619	3558	4154	3895	4116
8 Non Generating Entities	4080	3970	3609	3746	4246	4604	4518	4374	4030	3813	3752	3804	4136	4200	4089
9 Investor-Owned Entities	4268	4269	4218	4310	4855	4971	4791	4700	3982	3097	3233	3396	4496	4504	4305
10 Regional Total Dedicated Resources	12373	12027	11669	11888	13663	14286	13797	13511	12287	10757	10604	10757	12786	12599	12510

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2012 - 2013 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4013	3775	3838	3864	4600	4751	4478	4491	4311	3884	3655	3494	4046	3917	4121
2 Total Generating Public Entities	4013	3775	3838	3864	4600	4751	4478	4491	4311	3884	3655	3494	4046	3917	4121
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4161	4061	3686	3766	4270	4630	4577	4473	4082	3861	3799	3793	4100	4237	4130
4 Total Non-Generating Public Entities	4161	4061	3686	3766	4270	4630	4577	4473	4082	3861	3799	3793	4100	4237	4130
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4252	4252	4204	4419	4837	4881	4797	4782	4035	3332	3498	3631	4523	4530	4359
6 Total Investor-owned Entities	4252	4252	4204	4419	4837	4881	4797	4782	4035	3332	3498	3631	4523	4530	4359
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4013	3775	3838	3864	4600	4751	4478	4491	4311	3884	3655	3494	4046	3917	4121
8 Non Generating Entities	4161	4061	3686	3766	4270	4630	4577	4473	4082	3861	3799	3793	4100	4237	4130
9 Investor-Owned Entities	4252	4252	4204	4419	4837	4881	4797	4782	4035	3332	3498	3631	4523	4530	4359
10 Regional Total Dedicated Resources	12426	12088	11728	12050	13708	14262	13853	13746	12428	11077	10952	10918	12669	12684	12610

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2013 - 2014 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4048	3809	3872	3900	4642	4795	4524	4530	4351	3923	3692	3624	4219	3966	4180
2 Total Generating Public Entities	4048	3809	3872	3900	4642	4795	4524	4530	4351	3923	3692	3624	4219	3966	4180
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4209	4108	3732	3813	4323	4691	4634	4528	4131	3907	3845	3895	4230	4291	4192
4 Total Non-Generating Public Entities	4209	4108	3732	3813	4323	4691	4634	4528	4131	3907	3845	3895	4230	4291	4192
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4280	4280	4233	4424	4894	4959	4847	4791	4095	3737	3871	3618	4528	4501	4415
6 Total Investor-owned Entities	4280	4280	4233	4424	4894	4959	4847	4791	4095	3737	3871	3618	4528	4501	4415
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4048	3809	3872	3900	4642	4795	4524	4530	4351	3923	3692	3624	4219	3966	4180
8 Non Generating Entities	4209	4108	3732	3813	4323	4691	4634	4528	4131	3907	3845	3895	4230	4291	4192
9 Investor-Owned Entities	4280	4280	4233	4424	4894	4959	4847	4791	4095	3737	3871	3618	4528	4501	4415
10 Regional Total Dedicated Resources	12536	12197	11838	12137	13860	14444	14005	13848	12577	11567	11408	11136	12977	12758	12786



Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2014 - 2015 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4084	3846	3910	3937	4684	4844	4569	4579	4389	3960	3728	3581	4115	3965	4199
2 Total Generating Public Entities	4084	3846	3910	3937	4684	4844	4569	4579	4389	3960	3728	3581	4115	3965	4199
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4255	4159	3776	3858	4375	4748	4692	4584	4181	3953	3891	3898	4187	4317	4229
4 Total Non-Generating Public Entities	4255	4159	3776	3858	4375	4748	4692	4584	4181	3953	3891	3898	4187	4317	4229
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4282	4283	4250	4451	4923	4963	4951	4894	4120	3227	3276	3602	4508	4564	4397
6 Total Investor-owned Entities	4282	4283	4250	4451	4923	4963	4951	4894	4120	3227	3276	3602	4508	4564	4397
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4084	3846	3910	3937	4684	4844	4569	4579	4389	3960	3728	3581	4115	3965	4199
8 Non Generating Entities	4255	4159	3776	3858	4375	4748	4692	4584	4181	3953	3891	3898	4187	4317	4229
9 Investor-Owned Entities	4282	4283	4250	4451	4923	4963	4951	4894	4120	3227	3276	3602	4508	4564	4397
10 Regional Total Dedicated Resources	12621	12288	11936	12246	13982	14555	14212	14057	12690	11139	10895	11081	12811	12845	12824

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2015 - 2016 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4119	3881	3945	3975	4725	4888	4612	4554	4430	3998	3766	3688	4291	4035	4252
2 Total Generating Public Entities	4119	3881	3945	3975	4725	4888	4612	4554	4430	3998	3766	3688	4291	4035	4252
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4301	4206	3819	3905	4429	4808	4751	4593	4234	4001	3939	3989	4320	4391	4289
4 Total Non-Generating Public Entities	4301	4206	3819	3905	4429	4808	4751	4593	4234	4001	3939	3989	4320	4391	4289
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4388	4388	4315	4513	4983	5067	4955	4897	4151	3441	3523	3470	4539	4604	4447
6 Total Investor-owned Entities	4388	4388	4315	4513	4983	5067	4955	4897	4151	3441	3523	3470	4539	4604	4447
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4119	3881	3945	3975	4725	4888	4612	4554	4430	3998	3766	3688	4291	4035	4252
8 Non Generating Entities	4301	4206	3819	3905	4429	4808	4751	4593	4234	4001	3939	3989	4320	4391	4289
9 Investor-Owned Entities	4388	4388	4315	4513	4983	5067	4955	4897	4151	3441	3523	3470	4539	4604	4447
10 Regional Total Dedicated Resources	12808	12475	12080	12392	14136	14763	14319	14044	12814	11440	11228	11147	13150	13030	12988

Table A-27: Other Dedicated Resources  
 PNW Loads and Resource Study  
 2016 - 2017 Operating Year  
 1937 Water Year  
 [43] 2007 White Book (Final)

3/31/2007

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	4156	3917	3981	4007	4764	4929	4655	4665	4466	4031	3800	3634	4182	4045	4273
2 Total Generating Public Entities	4156	3917	3981	4007	4764	4929	4655	4665	4466	4031	3800	3634	4182	4045	4273
<i>-Non-Generating Public Entities-</i>															
3 Small & Non Generating Public Entities	4350	4250	3864	3947	4477	4860	4791	4680	4267	4033	3971	3967	4268	4412	4320
4 Total Non-Generating Public Entities	4350	4250	3864	3947	4477	4860	4791	4680	4267	4033	3971	3967	4268	4412	4320
<i>-Investor-Owned Entities-</i>															
5 Investor-Owned Entities	4429	4429	4350	4505	4987	5108	4980	4903	4206	3846	3898	3798	4533	4609	4523
6 Total Investor-owned Entities	4429	4429	4350	4505	4987	5108	4980	4903	4206	3846	3898	3798	4533	4609	4523
<i>-Total Dedicated Resources-</i>															
7 Generating Public Entities	4156	3917	3981	4007	4764	4929	4655	4665	4466	4031	3800	3634	4182	4045	4273
8 Non Generating Entities	4350	4250	3864	3947	4477	4860	4791	4680	4267	4033	3971	3967	4268	4412	4320
9 Investor-Owned Entities	4429	4429	4350	4505	4987	5108	4980	4903	4206	3846	3898	3798	4533	4609	4523
10 Regional Total Dedicated Resources	12936	12596	12196	12458	14228	14897	14426	14248	12940	11911	11669	11399	12983	13066	13116





